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# INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE

FIRST ANNUAL ISSUE.

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63570  
1/2/05

## METEOROLOGY INCLUDING TERRESTRIAL MAGNETISM.

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PUBLISHED FOR THE INTERNATIONAL COUNCIL

BY THE

ROYAL SOCIETY OF LONDON

LONDON :

HARRISON AND SONS, 45, ST. MARTIN'S LANE.

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VOL. VI : 1902 (OCTOBER).

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Div. F

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## PREFACE.

THE INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE, commencing with the literature of the year 1901, is an outgrowth of the *Catalogue of Scientific Papers* relating to the scientific literature of the nineteenth century, published by the Royal Society of London.

The suggestion to catalogue scientific papers may be traced back to Prof. Henry, of Washington, U.S.A., who brought the subject under the notice of the British Association for the Advancement of Science at its meeting in Glasgow, in 1855. The history of the inception of the enterprise is recorded in the first volume of the *Catalogue of Scientific Papers* issued by the Royal Society in 1867. Twelve large quarto volumes have been printed in which the titles of papers published during the period 1800-1883 are arranged under authors' names. A subject index, which will serve as a key to these volumes and also form an independent record, is in an advanced state of preparation. A catalogue of the scientific papers published during the period 1884-1900 is now being prepared by the Royal Society of London.

The possibility of preparing a complete index of current scientific literature by international co-operation was first taken into consideration by the Royal Society about the year 1893. It had long been apparent that the work was beyond the resources of the Society, or indeed of any single body. Moreover, it was felt that an authors' catalogue could not supply the required information, and that it was essential that scientific workers should be kept fully and quickly informed of all new discoveries by means of complete subject indexes. International co-operation appeared to be the only means of carrying out such a work with the necessary completeness and rapidity. The Society therefore sought the opinion of a very large number of representative bodies and individuals abroad; and, as the replies were almost uniformly in favour of the work being undertaken by international co-operation, steps were taken to summon an International Conference of Delegates appointed by various Governments.

The Conference took place in London on July 14-17, 1896, and was attended by delegates from Canada, Cape Colony, Denmark, France, Germany, Greece, Hungary, India, Italy, Japan, Mexico, Natal, the Netherlands, New South Wales, New Zealand, Norway, Queensland, Sweden, Switzerland, the United Kingdom, and the United States.

It was unanimously resolved that it was desirable to compile and publish, by means of an international organisation, a complete Catalogue of Scientific Literature, arranged according both to subject matter and to authors' names, in which regard should be had, in the first instance, to the requirements of scientific investigators, so that these might find out, with a minimum of trouble, what had been published on any particular subject of enquiry.

It was agreed that the material should, as far as possible, be collected in the various countries by local organisations established for the purpose, and that the final editing and publication of the Catalogue should be entrusted to a Central International Bureau, acting under the direction of an International Council. It was agreed to establish the Central Bureau in London.

Although the question of the method to be adopted in classifying the subject matter of the several sciences was discussed at great length, no decision other than one adverse to the Dewey system was arrived at. The Royal Society was requested to appoint a Committee to take this and many other questions of detail left undecided by the Conference, into consideration.

As the result of the arduous labours of this Committee, complete schedules were prepared for each of the sciences to be catalogued, and a financial statement was also prepared showing the estimated cost of the Catalogue.

The report of the Committee was considered at a second Conference, held in London on October 11-13, 1898, which was attended by accredited representatives from Austria, Belgium, Cape Colony, France, Germany, Hungary, India, Japan, Mexico, Natal, the Netherlands, New Zealand, Norway, Queensland, Sweden, Switzerland, the United Kingdom, and the United States.

At this meeting the conclusions arrived at by the first Conference were generally confirmed, and much progress was made in deciding the principles to be adopted in preparing the Catalogue.

Full schedules for the several sciences, which had been prepared by the Committee of the Royal Society, were laid before the delegates. Ultimately, after prolonged discussion, it was decided to adopt an arbitrary combined system of letters, numbers, and other symbols, adapted in the case of each branch of science to its particular needs. A Provisional International Committee was appointed to settle authoritatively the details of the schedules.

The financial position was fully discussed, but no definite conclusions could be arrived at. The delegates attending the meeting were requested to obtain further information on the subject in their respective countries, and to report to the Provisional International Committee.

The Provisional International Committee met in London on August 1-5, 1899. The Committee had arranged for the co-option of an Italian and a Russian member, and M. Th. Köppen attended as the representative of Russia.

The reports received from various countries were considered. Schedules for the seventeen branches of science to be included in the Catalogue were approved for adoption. The financial position was again very fully considered, especially in relation to the establishment of the Central Bureau; and it was finally resolved to recommend that

the Royal Society be requested to organise the Central Bureau, and to do all necessary work, so that the preparation of the Catalogue might be commenced in 1901.

Mainly in consequence of representations made by the German Government, in order to reduce the cost of the enterprise the Provisional International Committee agreed to recommend that the Catalogue should at the outset be of a more restricted character than was contemplated by either the first or the second Conference, that is to say, that the issue of a card catalogue should be postponed, and that the number of subject entries should be kept within narrow limits.

A third International Conference was held in London on June 12 and 13, 1900. This was attended by accredited representatives from Austria, Cape Colony, France, Germany, Greece, Hungary, India, Italy, Japan, Mexico, Natal, New Zealand, Norway, Queensland, Switzerland, and the United Kingdom. The report of the Provisional International Committee appointed at the second Conference was considered, and also a detailed scheme for the publication of the Catalogue which had been prepared, at the request of the Committee, by the Royal Society.

The statements made by the delegates of various countries as to the extent to which they were authorised to promise contributions towards the expenses of the Catalogue being satisfactory, it was resolved to take further steps towards the publication of the Catalogue; and for this purpose, pending the appointment of an International Council, the Conference again appointed a Provisional International Committee. This Committee met at the conclusion of the Conference, and afterwards continued its deliberations through the agency of the Royal Society.

All difficulties were finally removed by the Royal Society undertaking to act as the publishers of the Catalogue on behalf of the International Council, thereby giving the necessary legal status to the undertaking, and also to advance the capital required to start the enterprise on the understanding that this should be repaid during the ensuing five years.

The supreme control over the Catalogue is vested in an International Convention. Such a Convention is to be held in London in 1905, in 1910, and every tenth year afterwards, to reconsider, and, if necessary, to revise the regulations for carrying out the work of the Catalogue; but the approved Schedules are not to be altered during the first period of five years. In the interval between two successive meetings of the Convention the administration of the Catalogue is vested in an International Council, the members of which are to be appointed by the Regional Bureaus.

The first meeting of the International Council was held in London on December 12, 1900, when it was decided to commence the preparation of the Catalogue from January 1, 1901. At this meeting an Executive Committee was appointed, consisting of the delegates of the Royal Society and representatives of the four largest subscribers—the United States of America, Germany, France, and Italy.

The materials out of which the Catalogue is formed are to be furnished by Regional Bureaus.

Regional Bureaus have already been established in Belgium, Canada, Cape Colony, Denmark, Egypt, France, Great Britain and Ireland, Germany, Greece, Holland, Hungary, Italy, India and Ceylon, Japan, Mexico, New Zealand, New South Wales, Norway, Portugal, Poland, Queensland, Russia, South Australia, Sweden, Switzerland, the United States of America, Victoria, Western Australia, Finland.

The branches of Science to be included in the Catalogue are the seventeen following:—

- A—Mathematics
- B—Mechanics
- C—Physics
- D—Chemistry
- E—Astronomy
- F—Meteorology (including Terrestrial Magnetism)
- G—Mineralogy (including Petrology and Crystallography)
- H—Geology
- J—Geography (Mathematical and Physical)
- K—Palæontology
- L—General Biology
- M—Botany
- N—Zoology
- O—Human Anatomy
- P—Physical Anthropology
- Q—Physiology (including experimental Psychology, Pharmacology and experimental Pathology)
- R—Bacteriology

Each complete annual issue of the Catalogue will thus consist of seventeen volumes. The price at which this set will be sold to the public is £18. Individual volumes will be sold at prices varying with their size from about ten to thirty-five shillings.

A Schedule of Classification and an Index thereto will be prefixed to each volume in English, French, German, and Italian. This will not only enable the scientific worker to study the system of classification in the language with which he is most familiar, but also in cases of doubt—*e.g.* as to the meaning of a word—will enable him to refer to the corresponding entry in another language. Should there be a marked discrepancy among the schedules on any point the English schedule is to be taken as guide, the schedules printed in that language being those which were approved by the International Council.

The various headings and sub-headings throughout the Subject Index are given in English. Translations of the main headings can be found on reference to the schedules in the other languages by means of the registration numbers that are attached to them.

The entries in the Subject Indexes are in the language of the original paper when that is one of the following five languages: Latin, English, French, German, and Italian. These are the only languages used in the Subject Index, but in case of translation the name of the language of the original is inserted within round brackets.

In the Authors' Catalogue each title is given in the original language. When, however, that language is not one of the five



above mentioned, a translation into one of these five languages is added. In such cases the actual title is printed first, and is followed by the translation within square brackets.

It was provided by the original scheme that the Catalogue should comprise all original contributions to the branches of science which come within its scope, whether these had been published in periodicals, or in the journals of societies, or as independent pamphlets, memoirs, or books.

In order that a scientific investigator might be in a position to ascertain by means of the Catalogue what has from time to time been published concerning each particular subject of inquiry, it was held to be of great importance that not only the titles of papers but their subject matter also should be indexed. As stated above, however, financial considerations have led to the number of subject-entries being at present limited in number. But the expense of making subject-entries would be very greatly reduced if all periodicals adopted a practice already carried out by some journals, namely, that of indexing each paper at the time of its publication. Indeed, were this carefully done, the Bureaus preparing the Catalogue would no longer have to study the contents of papers in order to prepare the subject-entries, and the saving thereby effected would make it possible to enlarge the scope of the Catalogue, until it include all original scientific communications. Seeing how necessary such a complete subject catalogue is for the progress of science, it is hoped that all editors and authors will co-operate in so preparing subject-indexes for all papers at the time of their publication.

# INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE.

## CENTRAL BUREAU.

34 AND 35, SOUTHAMPTON STREET,  
STRAND,  
LONDON, W.C.

*Director.*—H. FORSTER MORLEY, M.A., D.Sc.

## REGIONAL BUREAUS.

All communications for the several Regional Bureaus are to be sent to the addresses here given.

**Austria.**—Herr Dr. J. Karabaček, Direktor, K. K. Hofbibliothek, Vienna.

**Belgium.**—Monsieur Louis Masure, Secrétaire-Général de l'Office International de Bibliographie, Brussels.

**Canada.**—Prof. J. G. Adami, McGill College, Montreal.

**Cape Colony.**—L. Perinquey, Esq., South African Museum, Cape Town, Cape of Good Hope.

**Denmark.**—Dr. Martin Knudsen, Polyteknisk Læranstalt, Copenhagen. K.

**Egypt.**—Capt. H. J. Lyons, R.E., Director-General, Survey Department, Cairo.

**Finland.**—Herr Hjalmar Lenning, Bibliothekar der Societät der Wissenschaften, Helsingfors.

**France.**—Monsieur le Dr. J. Deniker, 8, Rue de Buffon, Paris.

**Germany.**—Herr Prof. Dr. O. Uhlworm, 48 Enckeplatz, 3A, Berlin.

**Greece.**—Monsieur D. Metaxas, Chargé d'Affaires for Greece, Greek Legation, 31, Marloes Road, Cromwell Road, S.W.

**Holland.**—Heer Prof. D. J. Korteweg, Universitât, Amsterdam.

**Hungary.**—Herr Prof. Gustav Rados, viii, Múzeumkorut, Muegyetem, Buda-Pest.

**India and Ceylon.**—The Hon. Sec., Asiatic Society of Bengal, 57, Park Street, Calcutta.



- Italy.**—Cav. E. Mancini, Accademia dei Lincei, Palazzo Corsini, Lungara, Rome.
- Japan.**—Prof. J. Sakurai, President, Imperial University, Tokyo.
- Mexico.**—Señor Don José M. Vigil, Presidente del Instituto Bibliografico Mexicano. Biblioteca Nacional, Mexico City.
- New South Wales.**—The Hon. Sec., Royal Society of New South Wales, Sydney.
- New Zealand.**—Sir James Hector, K.C.M.G., Director of the New Zealand Institute, Wellington, N.Z.
- Norway.**—Dr. J. Brunchorst, Bergenske Museum, Bergen.
- Poland (Austrian, Russian and Prussian).**—Herr Dr. T. Estreicher, Sekretär, Komisya Bibliograficzna, Akademii Umiejetnosci, Cracow.
- Portugal.**—Senhor F. Gomez Teixeira, Academia Polytechnica do Porto, Oporto.
- Queensland.**—John Shirley, Esq., B.Sc., Cordelia Street, South Brisbane.
- Russia.**—Monsieur E. Heintz, l'Observatoire Physique Central Nicolas, Vass. Ostr. 23-me ligne, 2, St. Petersburg.
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- Sweden.**—Mr. E. W. Dahlgren, Royal Academy of Sciences, Stockholm.
- Switzerland.**—Herr Prof. Dr. J. H. Graf, Schweizerische Landesbibliothek, Bern.
- The United States of America.**—Prof. S. P. Langley, Smithsonian Institution, Washington.
- Victoria.**—Prof. J. W. Gregory, Royal Society of Victoria, Victoria Street, Melbourne.
- Western Australia.**—J. S. Battye, Esq., Victoria Public Library, Perth.

## INSTRUCTIONS.

The present volume consists of three parts :—

- (a) Schedules and Indexes in four languages.
- (b) An Authors' Catalogue.
- (c) A Subject Catalogue.

The Subject Catalogue is divided into sections, each of which is denoted by a four-figure number between 0000 and 9999. These numbers follow one another in numerical order, but all the 9999 numbers are not used, for it is intended to fill up the gaps by interpolation of such additional sections as may be required for additions to the system of classification in future years.

To enable the reader to find these numbers quickly, the first or last number on the page is repeated at the head of the page. In looking up a subject, these numbers, which are called Registration numbers, should be used instead of the ordinary pagination. These Registration numbers serve to divide up the subject into sections, each of which deals with related matter.

Thus the subject of Cosmical Relations (0450–0480) is dealt with in a general section (0450) and sections on the influence of the sun (0460) and moon (0480) and on the relations of the sun-spot period to meteorological phenomena.

In each section the final arrangement of papers is in the alphabetical order of authors' names.

In order to find the papers dealing with a particular subject the reader may either consult the Schedule or the Index to the Schedule. The numbers given in the index are Registration numbers, and can be used at once for turning to the proper page of the Subject Index. This is done by looking at the numbers at the top corners of the pages.

If the reader remember the name of the Author of a paper on a given subject, he will probably find it convenient to refer to the Authors' Catalogue rather than to the Subject Catalogue.

In the Authors' Catalogue the four-figure numbers placed within square brackets at the end of each entry are Registration numbers, and serve to indicate the scope of each paper indexed. The meaning of these numbers will at once be found by reference to the Schedule.

In case the abbreviated titles of Journals are not understood, a key to these is provided at the end of the volume.

#### GEOGRAPHICAL SYMBOLS.

Some of the sections in this volume are divided up by geographical symbols. These are one or two letters printed in italics and placed at the beginning of a line. The meaning of these geographical symbols will be found in the system of Topographical Classification which, in this volume, is printed in four languages and placed between the Schedules and the Authors' Catalogue. Thus *de* means "occurring in Great Britain" or "with reference to Great Britain."

## NOTICE.

On account of the difficulties met with in fully organising the work of the Regional Bureaus, the collection of the material for the Catalogue has been somewhat delayed.

Those portions of the Literature of 1901 which are not dealt with in this volume will be included in the volume of Meteorology which will form a part of the second annual issue of the Catalogue.

# International Catalogue of Scientific Literature.

## (F) METEOROLOGY (INCLUDING TERRESTRIAL MAGNETISM).

---

- 0000 Philosophy.
  - 0010 History. Biography.
  - 0020 Periodicals. Reports of Institutions, Societies, Congresses, etc.
  - 0030 General Treatises, Text Books, Dictionaries. Bibliographies, Tables.
  - 0040 Addresses, Lectures.
  - 0050 Pedagogy.
  - 0060 Institutions, Museums, Collections, Economics.
  - 0070 Nomenclature.
- 

## METHODS OF OBSERVATION AND COMPUTATION.

- 0100 General.
- 0110 Instructions for Observers.
- 0120 Tables for Reductions.
- 0130 Computation of Mean Results.
- 0140 Analysis and Computation of Periodicity.

## OBSERVATORIES AND INSTRUMENTS.

- 0200 General.
- 0210 Observatories—Construction and Equipment.
- 0220 Self-Recording Apparatus.
- 0230 Barometers.
- 0240 Aneroids.

0250	Thermometers. <i>See also</i> C 1210-1250.
0260	Screens.
0270	Hygrometers. <i>See also</i> C 1890.
0280	Psychrometers—Dew-point Instruments.
0290	Evaporators.
0300	Rain Gauges.
0310	Anemometers.
0320	Actinometers.
0330	Sunshine Recorders.
0340	Nepheloscopes—Cloud measuring Instruments.
0350	Electrometers and other Electrical Apparatus.
0360	Kites.
0370	Balloons.
0380	Photographic Apparatus.
0390	Sundry, not specified.

## PHYSICS OF ATMOSPHERE.

### 0400 General.

0410	Gaseous Constituents.
0420	Impurities and Dust.
0430	Extent.
0440	Dynamical and Thermodynamical Theories.

### Cosmical Relations.

0450	General.
0460	Solar Influences. <i>See also</i> E 4110.
0470	Relations to Sun Spot Period.
0480	Lunar Influences. <i>See also</i> F 0480.
0490	Planetary Influences.

### Optical Phenomena.

For Theories *see* C 3200-3260, 3640.

0500	General.
0510	Coloration of Sky. <i>See also</i> C 3230.
0520	Polarization ( <i>See</i> C 3250). Reflection. Refraction. Mirage.
0530	Rain Band.
0540	Halos. Coronæ. Parhelia.
0550	Rainbows, Solar.
0560	Rainbows, Lunar.
0570	Fog-bows.

} *See also* C 3220.

### Atmospheric Pressure.

*See also* J 61.

0700	General.
0710	Distribution at Earth's Surface—Isobars.
0720	Distribution, Vertical.



- 0730 Computations of Altitude by Barometric Observations.
- 0740 Computations of Altitude by Thermometric Observations.
- 0750 Variations and Oscillations—Periodical.
- 0760 Variations and Oscillations—Non-periodical.
- 0770 Waves due to Volcanic or other Disturbances.

## TEMPERATURE AND RADIATION.

### Atmospheric Temperature.

*See also J 62.*

- 0800 General.
- 0810 Distribution at Earth's Surface—Isotherms.
- 0820 Distribution, Vertical.
- 0830 Variations, Periodical.
- 0840 Variations, Secular or Non-periodic.

### 0850 **Earth Temperature.** Surface.

0860 Earth Temperature—Vertical Variation.

0870 Frozen Soil.

### 0880 **Sea Temperature.** *See also J 44.* Surface.

0890 Sea Temperature—Vertical Variation.

0900 Frozen Sea.

### 0910 **River and Lake Temperature.**

0920 Springs—Temperature.

### 0930 **Solar Radiation.** *See also E 4200.*

0940 Solar Radiation—Secular Change.

0950 Sunshine.

0960 Atmospheric Absorption of Solar Heat.

### 0970 **Terrestrial Radiation.** *See also C 4210.*

## AQUEOUS VAPOUR AND RAIN.

### Vapour.

*See also J 63.*

- 1000 General.
- 1010 Vapour Tension.
- 1020 Humidity. *See also C 1890.*
- 1030 Vapour—Distribution, Vertical.
- 1040 Vapour—Variation, Periodical.
- 1050 Evaporation. *See also C 1840.*
- 1060 Dew Formation.
- 1070 Fog Formation and Distribution.
- 1080 Cloud Formation.
- 1090 Cloud Varieties of Form.
- 1100 Cloud Altitudes.

**1150 Rain—General.**

- 1160 Composition of Rain Water.
- 1170 Condensation—Efficient Causes of.
- 1180 Distribution—Geographical.
- 1190 Variation due to Altitude above Surface.
- 1200 Periodicity.
- 1210 Excessive Falls.
- 1220 Droughts.
- 1230 Rain without Clouds.
- 1240 Showers of Miscellaneous Matter.

**Hail, Snow and Frost.**

- 1260 Hail.
- 1270 Snow.
- 1280 Hoar-Frost.

**WIND.***See also J 64.***Wind.**

- 1300 General.
- 1310 Circulation of the Atmosphere.
- 1320 Wind Relation to Atmospheric Pressure—Gradients.
- 1330 Velocity at Earth's Surface.
- 1340 Velocity—Variation with Height above Surface.
- 1350 Upper Currents.
- 1360 Pressure exerted by Wind. *See also B 2830.*

**1400 Constant and Local Winds.**

- 1410 Trade Winds.
- 1420 Regions of Calm.

**Periodical Winds.**

- 1450 General.
- 1460 Monsoons.
- 1470 Land and Sea Breezes.
- 1480 Mountain and Valley Winds.

**Storms.**

- 1500 General.
- 1510 Dust Storms.
- 1520 Waterspouts.
- 1550 **Cyclones and Anticyclones—General.**
- 1560 Cyclonic Storms—their Laws.
- 1570 Cyclonic Storms—Distribution, Geographical.
- 1580 Whirlwinds—Tornadoes.

**ATMOSPHERIC ELECTRICITY.**

- 1600 General. *See also C 5270.*
- 1610 Potential—Variations due to Local Atmospheric Conditions.

- 1620 Potential—Periodical Variations.
- 1630 Lightning and other Discharges.
- 1640 Thunderstorms.
- 1650 Aurora. *See also* E 5400, 6960.
- 1660 Aurora periodicity.

## CLIMATOLOGY AND WEATHER.

### 1700 General.

- 1710 Agricultural.
- 1720 Phenological.
- 1730 Hygienic.

### Weather Forecasting.

- 1750 General.
- 1760 Weather Prognostics.
- 1770 Synoptical Charts.

### Meteorological Registers.

- 1800 General.
- 1810 Registers giving Hourly Mean Values.
- 1820 Registers—Daily Mean Values.
- 1830 Weather Reports—Daily.
- 1840 Weather Reports for Longer Periods.
- 1850 Meteorological Log-books.
- 1860 Non-instrumental Records.
- 1870 Meteorological Charts. *See also* 1770.

When necessary the topographical symbols used in the Geography schedule may be added to any of the numbers, and used in conjunction with them.

## TERRESTRIAL MAGNETISM. THE COMPASS. EARTH CURRENTS.

- 3000 General.
- 3010 Magnetic Observatories. Methods of Measuring the Values and Variations of the Magnetic Elements.  
*See also* C 5440.
- 3020 Magnetic State of the Surface of the Earth. Surveys. Isomagnetism and Gaussian Coefficients.
- 3030 Secular Changes.
- 3040 Diurnal and other Periodic Magnetic Variations.
- 3050 Magnetic Storms.
- 3060 Relations between Terrestrial Magnetism and the Heavenly Bodies.
- 3070 Relations between Terrestrial Magnetism and Geology, Earth-Currents, etc.
- 3080 Theories of Terrestrial Magnetism.
- 3090 Theory of the Compass. Magnetism of Ships.
- 4100 Earth Currents.

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# Catalogue International de la Littérature Scientifique.

## (F) MÉTÉOROLOGIE (COMPRENANT LE MAGNÉTISME TERRESTRE).

---

- 0000 Philosophie.
  - 0010 Histoire. Biographie.
  - 0020 Périodiques. Rapports d'Instituts, de Sociétés, de  
Congrès, &c.
  - 0030 Traités généraux. Manuels, Dictionnaires, Biblio-  
graphies, Tables.
  - 0040 Discours, Cours et Conférences.
  - 0050 Enseignement.
  - 0060 Institutions, Musées, Collections, Applications  
pratiques.
  - 0070 Nomenclature.
- 

## METHODES D'OBSERVATION ET DE CALCUL.

- 0100 Généralités.
- 0110 Instructions pour les observateurs.
- 0120 Table de réduction des observations.
- 0130 Calcul des moyennes.
- 0140 Analyse et calcul des périodicités.

## OBSERVATOIRES ET INSTRUMENTS.

- 0200 Généralités.
- 0210 Observatoires: construction et organisation.
- 0220 Appareils enregistreurs.
- 0230 Baromètres.
- 0240 Anéroides.
- 0250 Thermomètres. *Voy. aussi C 1210-1250.*
- 0260 Abris.
- 0270 Hygromètres. *Voy. aussi C 1890.*
- 0280 Psychromètres—Hygromètres à condensation.
- 0290 Evaporomètres.
- 0300 Pluviomètres.
- 0310 Anémomètres.
- 0320 Actinomètres.
- 0330 Héliographes.
- 0340 Nephoscopes (appareils pour la mesure des nuages).
- 0350 Electromètres et autres instruments pour l'électricité.
- 0360 Cerfs volants.
- 0370 Ballons.
- 0380 Appareils photographiques.
- 0390 Appareils divers, non spécifiés.

## PHYSIQUE DE L'ATMOSPHERE.

- 0400 **Généralités.**
- 0410 Constituants gazeux.
- 0420 Impuretés et poussières.
- 0430 Etendue.
- 0440 Théories dynamiques et thermodynamiques.

## Relations cosmiques.

- 0450 Généralités.
- 0460 Influences solaires. *Voy. aussi E 4110.*
- 0470 Relations avec la période des taches solaires.
- 0480 Influences lunaires. *Voy. aussi F 0480.*
- 0490 Influences planétaires.

## Phénomènes optiques.

Pour les Théories *voy. C 3200-3260, 3640.*

- 0500 Généralités.
- 0510 Couleur du ciel. *Voy. aussi C 3230.*
- 0520 Polarisation (*Voy. C 3250*). Réflexion. Réfraction.  
Mirage.
- 0530 Bandes de la pluie.
- 0540 Halos. Couronnes. Parhélies.
- 0550 Arcs en ciel solaires.
- 0560 Arcs en ciel lunaires.
- 0570 Arcs dans le brouillard.

} *Voy. aussi C 3220.*

**Pression atmosphérique.***Voy. aussi J 61.*

- 0700 Généralités.
- 0710 Distribution à la surface du globe. Isobares.
- 0720 Distribution dans la verticale.
- 0730 Mesure de l'altitude par les observations barométriques.
- 0740 Mesure de l'altitude par les observations thermométriques.
- 0750 Variations et oscillations périodiques.
- 0760 Variations et oscillations non-périodiques.
- 0770 Vagues dues aux perturbations volcaniques ou autres.

**TEMPÉRATURE ET RADIATION.****Température de l'air.***Voy. aussi J 62.*

- 0800 Généralités.
- 0810 Distribution à la surface du globe. Isothermes.
- 0820 Distribution dans la verticale.
- 0830 Variations périodiques.
- 0840 Variations non périodiques.
- 0850 **Température du sol.** Surface.
- 0860 Température du sol, variation dans la verticale.
- 0870 Congélation du sol.
- 0880 **Température de la mer.** *Voy. aussi J 44.* Surface.
- 0890 Température de la mer, variation dans la verticale.
- 0900 Congélation de la mer.
- 0910 **Température des rivières et des lacs.**
- 0920 Température des sources.
- 0930 **Radiation solaire.** *Voy. aussi E 4200.*
- 0940 Radiation solaire, variation séculaire.
- 0950 Durée d'apparition du soleil.
- 0960 Absorption par l'atmosphère de la chaleur solaire.
- 0970 **Radiation terrestre.** *Voy. aussi C 4210.*

**VAPEUR D'EAU ET PLUIE.****Vapeur d'eau.***Voy. aussi J 63.*

- 1000 Généralités.
- 1010 Tension de la vapeur.
- 1020 Humidité. *Voy. aussi C 1890.*

- 1030 Distribution verticale de la vapeur.
- 1040 Variations périodiques de la vapeur.
- 1050 Evaporation. *Voy. aussi C 1840.*
- 1060 Formation de la rosée.
- 1070 Formation et distribution du brouillard.
- 1080 Formation des nuages.
- 1090 Diverses formes des nuages.
- 1100 Hauteur des nuages.

#### 1150 **Pluie.** Généralités.

- 1160 Composition de l'eau de pluie.
- 1170 Causes qui produisent la condensation.
- 1180 Distribution géographique.
- 1190 Variation due à la hauteur au-dessus du sol.
- 1200 Périodicité.
- 1210 Grandes averses.
- 1220 Sécheresses.
- 1230 Pluie sans nuages.
- 1240 Chutes de substances diverses.

#### **Grêle, neige et gelée.**

- 1260 Grêle.
- 1270 Neige.
- 1280 Gelée blanche.

### **VENT.**

*Voy. aussi J 64.*

#### **Vent.**

- 1300 Généralités.
- 1310 Circulation de l'atmosphère.
- 1320 Relation du vent avec la pression atmosphérique.  
Gradients.
- 1330 Vitesse à la surface du sol.
- 1340 Variation de vitesse avec la hauteur.
- 1350 Courants supérieurs.
- 1360 Pression exercée par le vent. *Voy. aussi B 2830.*

#### 1400 **Vents constants et locaux.**

- 1410 Vents alizés.
- 1420 Régions de calme.

#### **Vents périodiques.**

- 1450 Généralités.
- 1460 Moussons.
- 1470 Brise de terre et de mer.
- 1480 Brises de montagnes et de vallées.

**Tempêtes.**

- 1500 Généralités.
- 1510 Trombes de poussière.
- 1520 Trombes d'eau.
- 1550 **Cyclones et anticyclones.** Généralités.
- 1560 Tempêtes cycloniques. Leurs lois.
- 1570 Distribution géographique des tempêtes cycloniques.
- 1580 Tourbillons. Tornades.

**ELECTRICITE ATMOSPHERIQUE.**

- 1600 Généralités. *Voy. aussi C 5270.*
- 1610 Potentiel. Variations dues aux conditions atmosphériques locales.
- 1620 Potentiel. Variations périodiques.
- 1630 Eclairs et autres décharges.
- 1640 Orages.
- 1650 Aurores polaires. *Voy. aussi E 5400, 6960.*
- 1660 Périodicité des aurores polaires.

**CLIMATOLOGIE ET TEMPS.**

- 1700 Généralités.
- 1710 Relations avec l'agriculture.
- 1720 Relations avec la phénologie.
- 1730 Relations avec l'hygiène.

**Prévision du Temps.**

- 1750 Généralités.
- 1760 Pronostics du temps
- 1770 Cartes synoptiques.

**Recueils d'observations météorologiques.**

- 1800 Généralités.
- 1810 Recueils donnant des valeurs horaires moyennes.
- 1820 Recueils donnant des valeurs moyennes diurnes.
- 1830 Bulletins du temps quotidiens.
- 1840 Bulletins du temps pour des périodes plus longues.
- 1850 Livres de bord météorologiques.
- 1860 Recueils d'observations faites sans instruments
- 1870 Cartes météorologiques (*voy. aussi 1770*).

S'il est nécessaire, les symboles topographiques employés dans le catalogue pour la géographie pourront être ajoutés à chacun de ces numéros et employés conjointement avec eux.

## MAGNÉTISME TERRESTRE, BOUSSOLE, COURANTS TELLURIQUES.

3000	Généralités.
3010	Observatoires magnétiques. Méthodes pour mesurer les valeurs et les variations des éléments magnétiques. <i>Voy. aussi C 5440.</i>
3020	Etat magnétique de la surface de la terre. Levés. Coefficients isomagnétiques et de Gauss.
3030	Variations séculaires.
3040	Variations magnétiques diurnes et d'autres périodes.
3050	Perturbations magnétiques.
3060	Relations entre le magnétisme terrestre et les corps célestes.
3070	Relations entre le magnétisme terrestre et la géologie, les courants telluriques, &c.
3080	Théories du magnétisme terrestre.
3090	Théorie de la boussole. Magnétisme des navires.
4100	Courants telluriques.



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# Internationaler Katalog der naturwissenschaftlichen Litteratur.

## (F) METEOROLOGIE (EINSCHLIESSLICH ERDMAGNETISMUS).

---

- 0000 Philosophie.
  - 0010 Geschichte. Biographien.
  - 0020 Periodica. Berichte von Instituten, Gesellschaften, Congressen etc.
  - 0030 Allgemeine Abhandlungen, Lehrbücher, Wörterbücher. Bibliographien, Tabellen.
  - 0040 Festreden, Vorträge.
  - 0050 Pädagogik.
  - 0060 Institute, Museen, Sammlungen. Wirthschaftliches und Organisatorisches.
  - 0070 Nomenclatur.
- 

## BEOBACHTUNGS- UND BERECHNUNGS- METHODEN.

- 0100 Allgemeines.
- 0110 Instructionen für Beobachter.
- 0120 Reductionstabellen.
- 0130 Berechnung von Mittelwerthen.
- 0140 Analyse und Berechnung der Periodicität.

## OBSERVATORIEN UND INSTRUMENTE

- 0200 Allgemeines.
- 0210 Observatorien: Construction und Ausstattung.
- 0220 Selbstregistrirende Apparate.
- 0230 Barometer.
- 0240 Aneroide.

- 0250 Thermometer. (*Siehe auch C 1210–1250.*)
- 0260 Schirme.
- 0270 Hygrometer. (*Siehe auch C 1890.*)
- 0280 Psychrometer. Taupunkt-Instrumente.
- 0290 Evaporatoren.
- 0300 Regenmesser.
- 0310 Anemometer.
- 0320 Actinometer.
- 0330 Sonnenschein-Registrierapparate.
- 0340 Nepheloskope—Instrumente zur Messung der Bewölkung.
- 0350 Elektrometer und andere elektrische Apparate.
- 0360 Drachen.
- 0370 Ballons.
- 0380 Photographische Apparate.
- 0390 Verschiedene, nicht specificirte Apparate.

## PHYSIK DER ATMOSPHÄRE,

### 0400 Allgemeines.

- 0410 Gasförmige normale Bestandtheile.
- 0420 Verunreinigungen und Staub.
- 0430 Höhe.
- 0440 Dynamische und thermodynamische Theorien.

### Kosmische Beziehungen.

- 0450 Allgemeines.
- 0460 Solare Einflüsse. (*Siehe auch E 4110.*)
- 0470 Beziehungen zur Periode der Sonnenflecke.
- 0480 Lunare Einflüsse. (*Siehe auch F 0480.*)
- 0490 Planetarische Einflüsse.

### Optische Phänomene.

(Theorie *siehe C 3200–3260, 3640.*)

- 0500 Allgemeines.
- 0510 Färbung des Himmels. (*Siehe auch C 3230.*)
- 0520 Polarisation (*siehe auch C 3250*), Reflexion, Brechung  
Luftspiegelung.
- 0530 Regenbände.
- 0540 Halos. Höfe. Nebensonnen.
- 0550 Sonnen-Regenbögen.
- 0560 Mond-Regenbögen.
- 0570 Nebelbögen.

}(*Siehe auch C 3220.*)

### Der atmosphärische Druck.

(*Siehe auch J 61.*)

- 0700 Allgemeines.
- 0710 Vertheilung an der Erdoberfläche. Isobaren.
- 0720 Vertheilung in verticaler Richtung.

- 0730 Höhenberechnung aus Barometer-Beobachtungen.
- 0740 Höhenberechnung aus Thermometer-Beobachtungen.
- 0750 Variationen und Oscillationen mit Periodicität.
- 0760 Variationen und Oscillationen ohne Periodicität.
- 0770 Wogen in Folge vulkanischer oder anderer Störungen.

## TEMPERATUR UND STRAHLUNG.

### Atmosphärische Temperatur.

*(Siehe auch J 62.)*

- 0800 Allgemeines.
- 0810 Vertheilung an der Erdoberfläche. Isothermen.
- 0820 Vertheilung in verticaler Richtung.
- 0830 Periodische Variationen.
- 0840 Säculare oder nicht-periodische Variationen.

### 0850 **Erd-Temperatur.** Oberfläche.

- 0860 Erd-Temperatur. Verticale Variation.
- 0870 Gefrorener Boden.

### 0880 **See-Temperatur.** *(Siehe auch J 44.)* Oberfläche.

- 0890 See-Temperatur. Verticale Variation.
- 0900 Gefrorene See.

### 0910 **Fluss- und Seen-Temperatur.**

- 0920 Quellen-Temperatur.

### 0930 **Sonnenstrahlung.** *(Siehe auch E 4200.)*

- 0940 Sonnenstrahlung. Säculare Veränderung.
- 0950 Sonnenschein.
- 0960 Atmosphärische Absorption der Sonnen-Wärme.

### 0970 **Terrestrische Strahlung.** *(Siehe auch C 4210.)*

## WASSERDAMPF UND REGEN.

### Dampf.

*(Siehe auch J 63.)*

- 1000 Allgemeines.
- 1010 Dampfspannung.
- 1020 Feuchtigkeitt. *(Siehe auch C 1890.)*
- 1030 Dampf. Verticale Verbreitung.
- 1040 Dampf. Periodische Variation.
- 1050 Verdampfung. *(Siehe auch C 1840.)*
- 1060 Thaubildung.
- 1070 Nebelbildung und Vertheilung.
- 1080 Wolkenbildung.
- 1090 Verschiedene Wolkenformen.
- 1100 Wolkenhöhen.

- 1150 **Regen.** Allgemeines.
- 1160 Zusammensetzung des Regenwassers.
- 1170 Condensation. Deren wirkende Ursachen.
- 1180 Geographische Verbreitung.
- 1190 Variation nach der Höhe über der Oberfläche.
- 1200 Periodicität.
- 1210 Excessive Regenfälle.
- 1220 Dürre.
- 1230 Regen ohne Wolken.
- 1240 Regenfälle verschiedener Materie.

### **Hagel, Schnee und Reif.**

- 1260 Hagel.
- 1270 Schnee.
- 1280 Rauh-Reif.

### **WIND.**

*(Siehe auch J 64.)*

#### **Wind.**

- 1300 Allgemeines.
- 1310 Circulation der Atmosphäre.
- 1320 Beziehung des Windes zum atmosphärischen Druck.  
Gradienten.
- 1330 Geschwindigkeit an der Erdoberfläche.
- 1340 Geschwindigkeit. Variation mit der Höhe über der Oberfläche.
- 1350 Obere Strömungen.
- 1360 Wind- Druck. *(Siehe auch B 2830.)*

#### **1400 Constante und locale Winde.**

- 1410 Passate.
- 1420 Regionen der Calmen.

#### **Periodische Winde.**

- 1450 Allgemeines.
- 1460 Monsuns.
- 1470 Land- und See-Brisen.
- 1480 Berg- und Thal-Winde.

#### **Stürme.**

- 1500 Allgemeines.
- 1510 Staubstürme.
- 1520 Wasserhosen.

#### **1550 Cyclonen und Anticyclonen.**

- 1560 Cyclonische Stürme. Ihre Gesetze.
- 1570 Cyclonische Stürme. Ihre geographische Verbreitung.
- 1580 Wirbelwinde. Tornados.

### **ATMOSPÄRISCHE ELEKTRICITÄT.**

- 1600 Allgemeines. *(Siehe auch C 5270.)*
- 1610 Potential. Variationen durch locale atmosphärische Bedingungen verursacht.



- 1620 Potential. Periodische Variationen.
- 1630 Blitz und andere Entladungen.
- 1640 Gewitter.
- 1650 Nordlicht. (*Siehe auch* E 5400, 6960.)
- 1660 Nordlicht. Periodicität.

## KLIMATOLOGIE UND WETTER.

- 1700 Allgemeines.
- 1710 Agrikultur.
- 1720 Phänologie.
- 1730 Hygiene.

### Wetter-Vorhersage.

- 1750 Allgemeines.
- 1760 Wetter-Prognosen.
- 1770 Synoptische Karten.

### Meteorologische Register.

- 1800 Allgemeines.
- 1810 Register, welche stündliche Mittel-Werthe geben.
- 1820 Register. Tägliche Mittel-Werthe.
- 1830 Wetter-Berichte. Täglich.
- 1840 Wetter-Berichte für längere Perioden.
- 1850 Meteorologische Log-Bücher.
- 1860 Aufzeichnungen, welche ohne Instrumente gewonnen sind.
- 1870 Meteorologische Karten. (*Siehe auch* 1770.)

Wenn es nöthig scheint, können die topographischen Symbole, wie sie im Geographie-Schema benutzt werden, den einzelnen Nummern beigelegt und in Verbindung mit ihnen gebraucht werden.

## ERD-MAGNETISMUS. DER COMPASS.

### ERD-STRÖME.

- 3000 Allgemeines.
- 3010 Magnetische Observatorien. Methoden zur Messung der Werthe und Variationen der magnetischen Elemente. (*Siehe auch* C 5440.)
- 3020 Magnetischer Zustand der Erdoberfläche. Magnetische Vermessungen. Isomagnetische Curven und Gauss'sche Coefficienten.
- 3030 Säculare Aenderungen.
- 3040 Tägliche und andere periodische magnetische Variationen.
- 3050 Magnetische Stürme.
- 3060 Beziehungen zwischen Erdmagnetismus und Himmelskörpern.
- 3070 Beziehungen zwischen Erdmagnetismus und Geologie, Erd-Strömen etc.
- 3080 Theorien des Erdmagnetismus.
- 3090 Theorie des Compasses. Schiffs-Magnetismus.
- 4100 Erd- Ströme.

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Dürre .. ..	1220	Nordlicht .. ..	1650, 1660
Elektricität, atmosphärische	1600-1660	Observatorien, magnetische ..	3010
Elektrometer .. ..	0350	— meteorologische .. ..	0210
Erdmagnetismus .. ..	3000-4100	Optik, atmosphärische .. ..	0500-0570
Erd-Strahlung .. ..	0970	Organisatorisches .. ..	0060
Erd-Ströme .. ..	4100	Oscillationen des Druckes ..	0750, 0760
Erd-Temperatur .. ..	0850, 0860	Pädagogik .. ..	0050
Evaporatoren .. ..	0290	Passate .. ..	1410
Färbung der Himmels .. ..	0510	Periodica .. ..	0020
Festreden .. ..	0040	Periodicität, Analyse der ..	0140
Fluss-Temperatur .. ..	0910	Periodische Winde .. ..	1450
Gauss'sche Coefficienten ..	3020	Phänologie .. ..	1720
Geschichte .. ..	0010	Philosophie .. ..	0000
Gesellschaften, Berichte von ..	0020	Photographische Apparate ..	0380
Gewitter .. ..	1640	Physik der Atmosphäre ..	0400-0440
Gradienten .. ..	1320	Planeten, Einfluss auf die Atmos-	
Hagel .. ..	1260	phäre .. ..	0490

Polarisation, atmosphärische ..	0520	Synoptische Karten .. ..	1770
Potential der atmosphärischen		Tabellen .. ..	0030
Elektricität .. ..	1610	Tagesmittel .. ..	1820
Psychrometer .. ..	0280	Temperatur, atmosphärische	0800-0840
Quellen-Temperatur .. ..	0920	Thalwinde .. ..	1480
Reductionstabellen .. ..	0120	Thaubildung .. ..	1060
Reflexion, atmosphärische ..	0520	Thaupunkt-Instrumente ..	0280
Regen .. ..	1050-1240	Thermodynamik der Atmosphäre	0440
Regenbände .. ..	0530	Thermometer .. ..	0250
Regenbögen .. ..	0550-0570	Tornados .. ..	1580
Regenmesser .. ..	0300	Variationen des atmosphärischen	
Regenwasser, Zusammensetzung	1160	Druckes .. ..	0750, 0760
Register, meteorologische	1800 1870	— der atmosphärischen Tem-	
Reif .. ..	1280	peratur .. ..	0830, 0840
Sammlungen .. ..	0060	— magnetische .. ..	3030-3050
Schiffsmagnetismus .. ..	3090	Verdampfung .. ..	1050
Schirme .. ..	0260	Verunreinigung der Atmosphäre	0420
Schnee .. ..	1270	Vorträge .. ..	0040
Seebrisen .. ..	1470	Wasserdampf der Atmosphäre	
See-Temperatur .. ..	0880-0900		1000-1100
Seen-Temperatur .. ..	0910	Wasserhosen .. ..	1520
Selbstregistrirende Apparate ..	0220	Wetterberichte .. ..	1830, 1840
Sonne, Einfluss auf die Atmo-		Wetter-Vorhersage .. ..	1750-1770
sphäre .. ..	0460	Wind .. ..	1300-1580
Sonnenlecke und Atmosphäre ..	0470	Wind-Druck .. ..	1360
Sonnenschein .. ..	0950	— -Geschwindigkeit ..	1330, 1340
— -Registrirapparat .. ..	0330	Winde, periodische .. ..	1450
Sonnenstrahlung .. ..	0930-0960	Wirbelwinde .. ..	1580
Staub der Atmosphäre .. ..	0120	Wirthschaftliches .. ..	0060
Staubstürme .. ..	1510	Wogen des atmosphärischen	
Strahlung, terrestrische ..	0970	Druckes .. ..	0770
Stürme .. ..	1500-1580	Wolken .. ..	1080-1100
Stürme, magnetische .. ..	3050	Wörterbücher .. ..	0030
Stundenmittel .. ..	1810		



# Catalogo Internazionale della Letteratura Scientifica.

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## (F) METEOROLOGIA (COMPRESO IL MAGNETISMO TERRESTRE).

- 0000 Filosofia.
  - 0010 Storia, Biografia.
  - 0020 Periodici, Rapporti di Istituti, Società, Congressi.
  - 0030 Trattati generali, Libri di Testo, Vocabolari, Bibliografie, Tavole.
  - 0040 Discorsi, Letture.
  - 0050 Pedagogia.
  - 0060 Istituti, Musei, Collezioni, Applicazioni pratiche.
  - 0070 Nomenclatura.
- 

## METODI D'OSSERVAZIONE E CALCOLI.

- 0100 Generalità.
- 0110 Istruzioni per gli osservatori.
- 0120 Tavole di riduzione.
- 0130 Calcolo delle medie.
- 0140 Analisi e calcolo della periodicità.

## OSSERVATORI ED ISTRUMENTI.

- 0200 Generalità.
- 0210 Osservatori—Costruzione e Fornitura.
- 0220 Apparecchi registratori.
- 0230 Barometri.
- 0240 Aneroidi.
- 0250 Termometri. (*Vedi anche C 1210-1250.*)

0260	Schermi.
0270	Igrometri. ( <i>Vedi anche C 1890.</i> )
0280	Psicrometri—Istrumenti a punto di rugiada.
0290	Vaporimetri.
0300	Pluviometri.
0310	Anemometri.
0320	Actinometri.
0330	Registratori dello splendore del sole.
0340	Nubiscopi—Apparecchi di misura per le nubi.
0350	Elettrometri ed altri apparecchi elettrici.
0360	Cervi volanti.
0370	Aerostati.
0380	Apparecchi fotografici.
0390	Diversi, non specificati.

### FISICA DELL' ATMOSFERA.

0400	Generalità.
0410	Costituenti gassosi.
0420	Impurità e polveri.
0430	Estensione.
0440	Teorie dinamiche e termodinamiche.

### Relazioni cosmiche.

0450	Generalità.
0460	Influenza del sole. ( <i>Vedi anche E 4110.</i> )
0470	Relazioni col periodo delle macchie solari.
0480	Influenza della luna. ( <i>Vedi anche F 0480.</i> )
0490	Influenza dei pianeti.

### Fenomeni ottici.

(Per le teorie *vedi C 3200–3260, 3640.*)

0500	Generalità.
0510	Color del cielo. ( <i>Vedi anche C 3230.</i> )
0520	Polarizzazione ( <i>vedi anche C 3250.</i> ) Riflessione. Rifrazione. Miraggio.
0530	Spettro di pioggia.
0540	Aloni, Coroni, Parelii. ( <i>Vedi anche C 3220.</i> )
0550	Arcobaleni solari. ( <i>Vedi anche C 3220.</i> )
0560	Arcobaleni lunari. ( <i>Vedi anche C 3220.</i> )
0570	Arcobaleni di nebbia.

### Pressione atmosferica.

(*Vedi anche J 61.*)

0700	Generalità.
0710	Distribuzione sulla superficie terrestre—Linee isobare.
0720	Distribuzione verticale.



- 0730      Calcolo delle altezze per mezzo di osservazioni barometriche.
- 0740      Calcolo delle altezze per mezzo di osservazioni termometriche.
- 0750      Variazioni ed oscillazioni--Periodiche.
- 0760      Variazioni ed oscillazioni non periodiche.
- 0770      Ondulazioni dovute a vulcani o ad altre cause perturbatrici.

## TEMPERATURA E RADIAZIONE.

### Temperatura dell' atmosfera.

(*Vedi anche J 62.*)

- 0800      Generalità.
- 0810      Distribuzione alla superficie della terra—Isoterme.
- 0820      Distribuzione coll' altezza.
- 0830      Variazioni periodiche.
- 0840      Variazioni secolari o non periodiche.
- 0850      **Temperatura della terra.** Superficie.
- 0860      Temperatura della terra—Variazione verticale.
- 0870      Terreno gelato.
- 0880      **Temperatura del mare.** (*Vedi anche J 44.*) Superficie.
- 0890      Temperatura del mare—Variazione verticale.
- 0900      Oceani glaciali.
- 0910      **Temperatura di fiumi e laghi.**
- 0920      Temperatura delle sorgenti.
- 0930      **Radiazione solare.** (*Vedi anche E 4200.*)
- 0940      Radiazione solare—Variazione secolare.
- 0950      Splendore del sole.
- 0960      Assorbimento del calore solare per l'atmosfera.
- 0970      **Radiazione terrestre.** (*Vedi anche C 4210.*)

## VAPOR ACQUEO E PIOGGIA.

### Vapore.

(*Vedi anche J 63.*)

- 1000      Generalità.
- 1010      Tensione del vapore.
- 1020      Umidità. (*Vedi anche C 1890.*)
- 1030      Distribuzione del vapore lungo la verticale.
- 1040      Variazione periodica del vapore.
- 1050      Evaporazione. (*Vedi anche C 1840.*)
- 1060      Formazione della rugiada.
- 1070      Formazione e distribuzione della nebbia.
- 1080      Formazione delle nubi.
- 1090      Varietà di forma delle nubi.
- 1100      Altezza delle nubi.

**1150 Pioggia—Generalità.**

- 1160 Composizione dell' acqua piovana.
- 1170 Condensazione—Sue cause.
- 1180 Distribuzione geografica.
- 1190 Variazione dovuta all' altezza sopra la superficie.
- 1200 Periodicità.
- 1210 Cadute eccessive.
- 1220 Siccità.
- 1230 Pioggia senza nubi.
- 1240 Pioggia di sostanze diverse.

**Grandine, Neve e Gelate**

- 1260 Grandine.
- 1270 Neve.
- 1280 Brina.

**VENTO.***(Vedi anche J 64.)***Vento.**

- 1300 Generalità.
- 1310 Circolazione dell' atmosfera.
- 1320 Relazione tra il vento e la pressione atmosferica. Gradienti.
- 1330 Velocità alla superficie della terra.
- 1340 Velocità—Variazione coll' altezza dalla superficie.
- 1350 Correnti alte.
- 1360 Pressione prodotta dal vento. *(Vedi anche B 2830.)*

**1400 Venti costanti e locali.**

- 1410 Venti alisei.
- 1420 Regioni di calma.

**Venti periodici.**

- 1450 Generalità.
- 1460 Monsoni.
- 1470 Brezze di terra e di mare.
- 1480 Venti di monte e di valle.

**(Túrbini) Burrasche.**

- 1500 Generalità.
- 1510 Túrbini (di polvere).
- 1520 Trombe d'acqua.

**1550 Cicloni ed anticicloni—Generalità.**

- 1560 Cicloni—loro leggi.
- 1570 Cicloni—Distribuzione geografica.
- 1580 Túrbini e tornados.

**ELETTRICITÀ ATMOSFERICA.**

- 1600 Generalità. *(Vedi anche C 5270).*
- 1610 Potenziale—Variazioni dovute alle condizioni locali dell' atmosfera.

- 1620 Variazioni periodiche del potenziale.
- 1630 Scariche luminose ed altre.
- 1640 Temporal.
- 1650 Aurora. (*Vedi anche* E 5400, 6960.)
- 1660 Periodicità dell' aurora.

## CLIMATOLOGIA E TEMPO.

### 1700 Generalità.

- 1710 Sotto il punto di vista agricolo.
- 1720 Sotto il punto di vista fenologico.
- 1730 Sotto il punto di vista dell' igiene.

### Previsione del tempo.

- 1750 Generalità.
- 1760 Previsione del tempo.
- 1770 Carte sinottiche.

### Registrazioni meteorologiche.

- 1800 Generalità.
- 1810 Registrazioni che danno i valori medi orari.
- 1820 Registrazioni che danno i valori medi diurni.
- 1830 Bollettini giornalieri del tempo.
- 1840 Bollettini del tempo per lunghi periodi.
- 1850 Giornali di navigazione meteorologici.
- 1860 Notizie senza apparecchi.
- 1870 Carte meteorologiche (*vedi anche* 1770).

Se è necessario, i simboli topografici usati nella scheda di Geografia verranno aggiunti ad uno qualunque dei numeri e usati assieme a questo.

## MAGNETISMO TERRESTRE, BUSSOLA, CORRENTI TERRESTRI.

- 3000 Generalità.
- 3010 Osservatori magnetici. Metodi di misura dei valori e delle variazioni degli elementi magnetici. (*Vedi anche* C 5440.)
- 3020 Stato magnetico della superficie della terra. Rilevamenti. Coefficienti isomagnetici e di Gauss.
- 3030 Variazioni secolari.
- 3040 Variazioni magnetiche diurne e di altri periodi.
- 3050 Burrasche magnetiche.
- 3060 Relazioni tra il Magnetismo terrestre ed i Corpi celesti.
- 3070 Relazioni tra il Magnetismo terrestre e la Geologia, le Correnti telluriche, ecc.
- 3080 Teorie del magnetismo terrestre.
- 3090 Teoria della bussola. Magnetismo delle navi.
- 4100 Correnti telluriche.

## I N D I C E

PER LA

## M E T E O R O L O G I A ( F ).

Acqua piovana .. .. .	1160	Gauss, Coefficienti di .. .. .	3020
Actinometri .. .. .	0320	Grandine .. .. .	1260
Aerostati .. .. .	0370	Igrometri .. .. .	0270
Aloni .. .. .	0540	Isobare, Linee .. .. .	0710
Altezze, Calcolo delle, per mezzo di osservazioni barometriche..	0730	Isomagnetici, Coefficienti .. .. .	3020
Altezze, Calcolo delle, per mezzo di osservazioni termometriche	0740	Isoterme .. .. .	0810
Anemometri .. .. .	0310	Istituti .. .. .	0060
Aneroidi .. .. .	0240	— Resoconti di .. .. .	0020
Anticiclioni .. .. .	1550	Lecture .. .. .	0040
Applicazioni pratiche .. .. .	0060	Macchie solari, periodo delle, Relazioni colla fisica dell'	
Arcobaleni lunari .. .. .	0560	atmosfera .. .. .	0476
— solari .. .. .	0550	Magnetiche, Burrasche .. .. .	3050
Assorbimento del calore solare per l'atmosfera.. .. .	0960	— Variazioni periodiche .. .. .	3040
Atmosfera, Fisica dell' .. .. .	0400	Magnetici, Elementi .. .. .	3010
Aurora .. .. .	1650	Magnetismo terrestre .. .. .	3000
— Periodicità dell' .. .. .	1660	Manuali .. .. .	0030
Baleno .. .. .	1630	Mare, Brezze di .. .. .	1470
Barometri.. .. .	0230	Miraggio .. .. .	0520
Bibliografie .. .. .	0030	Monsoni .. .. .	1460
Biografia .. .. .	0010	Musei .. .. .	0060
Brina .. .. .	1280	Nebbia, Arcobaleni di .. .. .	0570
Burrasche.. .. .	1500	— Formazione della .. .. .	1070
Bussola, Teoria della .. .. .	3090	Neve .. .. .	1270
Calma, Regioni di .. .. .	1420	Nomenclatura .. .. .	0070
Carte meteorologiche .. .. .	1870, 1770	Nubi, Apparecchi di misura per le — Formazione di .. .. .	0340 1080
Cervi volanti .. .. .	0360	Nubiscopi .. .. .	0340
Ciclioni .. .. .	1550	Osservatori .. .. .	0200, 0210
Cielo, Colorazione del .. .. .	0510	— magnetici .. .. .	3010
Climatologia .. .. .	1700	Osservazione, Metodi di.. .. .	0100
— dell' Igiene.. .. .	1730	Parelio .. .. .	0540
— sotto il punto di vista feno- logico .. .. .	1720	Pedagogia.. .. .	0050
— sotto il punto di vista agricolo.. .. .	1710	Periodici .. .. .	0020
Collezioni .. .. .	0060	Periodicità, Analisi della .. .. .	0140
Congressi, Resoconti di .. .. .	0020	— Calcolo della .. .. .	0140
Corona .. .. .	0540	Perturbazioni vulcaniche Ondu- lazioni dovute a .. .. .	0770
Discorsi .. .. .	0040	Pioggia .. .. .	1150
Dizionari .. .. .	0030	— Spettro di .. .. .	0530
Elettricità atmosferica .. .. .	1600	Pluviometri .. .. .	0300
Elettrometri .. .. .	0350	Polvere .. .. .	0420
Evaporazione .. .. .	1050	— Turbine di .. .. .	1510
Filosofia .. .. .	0000	Psicrometri .. .. .	0280
Fotografici, Apparecchi.. .. .	0380	Radiazione solare .. .. .	0930
		— terrestre .. .. .	0970
		Registratori, Apparecchi .. .. .	0220

Registrazioni meteorologiche ..	1800	Tempo sotto il punto di vista igienico	1730
Riduzione, Tavole di .. ..	0120	— sotto il punto di vista fenolo-	
Rilevamenti magnetici .. ..	3020	gico .. .. ..	1720
Rugiada, Formazione della ..	1060	— Previsione del .. ..	1750, 1760
— Istrumenti a punto di ..	0280	— sotto il punto di vista agri-	
Schermi .. .. ..	0260	colo .. .. ..	1710
Società, Resoconti di .. ..	0020	Temporalì .. .. ..	1640
Sole, Splendore del .. ..	0350	Termometri .. .. ..	0250
— — — Registratori dello	0330	Terra, Brezze di .. ..	1470
Spettro di pioggia .. ..	0530	Tornados .. .. ..	1580
Storia .. .. ..	0010	Trattati generali .. ..	0030
Tavole .. .. ..	0030	Trombe d' acqua .. ..	1520
Telluriche, Correnti .. ..	3070, 4100	Túrbini .. .. ..	1580
Temperatura dell' atmosfera ..	0800	Umidità .. .. ..	1020
— della terra .. ..	0850	Vapor acqueo .. .. ..	1000
— di fiumi e laghi .. ..	0910	Vapore, Tensione del .. ..	1010
— del mare .. ..	0880	Vaporimetri .. .. ..	0290
Tempo .. .. ..	1700	Vento .. .. ..	1300
— Bollettini del .. ..	1830	Venti alisei .. .. ..	1410
— Carte sinottiche del ..	1770		





# International Catalogue of Scientific Literature.

## I.—TOPOGRAPHICAL CLASSIFICATION.

[To be used in connexion with Geography, Geology, Botany,  
Zoology, etc.]

### 1.—MAIN DIVISIONS.

- a.* The Earth as a whole.
- b.* Land as a whole.
- c.* Ocean as a whole.
- d.* Europe and Mediterranean Islands.
- e.* Asia and Malay Archipelago, Celebes and Timor inclusive.
- f.* Africa and Madagascar.
- g.* North America to boundary between United States and Mexico.
- h.* Mexico, Central and South America, and West Indian Islands.
- i.* Australia, Tasmania and New Zealand, with New Guinea, Gilolo, and Moluccas to west, and including the Solomon Islands, New Hebrides, and New Caledonia to east.
- k.* Arctic: Greenland and the area north of the Arctic Circle, or of the coasts of Continental America, Asia, and Europe, whichever is farther north.
- l.* Atlantic and Islands from Arctic Circle to Lat.  $45^{\circ}$  S.—the southern portion bounded on the east by the meridian  $20^{\circ}$  E. of Greenwich, south of the coast of Africa; and on the west by the coast of South America.
- m.* Indian Ocean and Islands limited on the south by Lat.  $45^{\circ}$  S.: on the west by the meridian  $20^{\circ}$  E. of Greenwich; on the east by the coast of Australia and the meridian  $147^{\circ}$  E. of Greenwich.
- n.* Pacific and Islands from the Arctic Circle to Lat.  $45^{\circ}$  S., and between the meridian  $147^{\circ}$  E. of Greenwich and the coast of South America.
- o.* Antarctic: the area south of  $45^{\circ}$  S. except the Falkland Islands and the southern parts of South America and New Zealand; but including the islands of New Amsterdam and St. Paul.

N.B.—As a general rule, Islands more than 100 miles from the continent to be classed as Oceanic, unless specially excepted.

## 2. SUB-DIVISIONS.

*d.* EUROPE AND MEDITERRANEAN ISLANDS.

- da.* Scandinavia : Sweden, Norway, Denmark, Iceland, Faeroes.
- db.* Russia in Europe.
- dc.* German Empire.
- dd.* Holland ; Belgium ; Luxemburg.
- de.* British Islands.
- df.* France and Corsica.
- dg.* Spain and Portugal.
- dh.* Italy : Sicily and Sardinia.
- di.* Switzerland.
- dk.* Austria-Hungary (Bosnia and Herzegovina included).
- dl.* Balkan Peninsula (Turkey in Europe, Roumania, Bulgaria, Servia, Montenegro, and Greece).
- dm.* Mediterranean and Islands (excluding Sicily, Sardinia, and Corsica).
- dn.* Black Sea.
- do.* Baltic and Islands.

*e.* ASIA AND MALAY ARCHIPELAGO.

- ea.* Asiatic Russia.
- eb.* China and Dependencies : Tibet ; Corea.
- ec.* Japanese Islands ; Formosa.
- ed.* Cochin China : Tonquin, Annam.
- ee.* Siam.
- ef.* British India : Himalaya ; Burmah ; Ceylon.
- eg.* Malay Peninsula from Isthmus of Kra and Archipelago to Wallace's line, including Celebes and Timor, with the Philippines and China Sea.
- eh.* Persia ; Afghanistan ; Baluchistan.
- ei.* Asiatic Turkey ; Arabia.
- ek.* Caspian.
- el.* Persian Gulf.

*f.* AFRICA AND MADAGASCAR.

- fa.* Mediterranean States—Marocco, Algiers, Tunis, Tripoli.
- fb.* N.E. Africa ; Egypt and Nile Valley to Lat. 10° N. Abyssinia ; African Coast of Red Sea.
- fc.* Sahara and the French Sudan ; Darfur, etc.
- fd.* West Africa, from Marocco to the Congo.
- fe.* Congo State and Angola.
- ff.* East Africa, from the Southern border of *fb* to the Zambezi ; Socotra.
- fg.* South Africa—South of the Zambezi and of the boundary between Portuguese and German S.W. Africa.
- fh.* Madagascar and Comoro Group.
- fi.* Red Sea and Islands.

## g. NORTH AMERICA.

- ga.* Alaska.
- gb.* Canada as a whole.
- gc.* Canadian Dominion West (Yukon, British Columbia, Mackenzie, Athabasca, Alberta, Saskatchewan, Assiniboia).
- gd.* Canadian Dominion East; Newfoundland.
- ge.* The Laurentian Lakes.
- gf.* United States as a whole.
- gg.* North Eastern United States, East of Mississippi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvania, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).
- gh.* South Eastern United States, East of Mississippi.
- gi.* Western United States, West of Mississippi.

## h. CENTRAL AND SOUTH AMERICA AND WEST INDIES.

- ha.* Mexico.
- hb.* Central America : Guatemala ; Honduras ; British Honduras ; Salvador ; Nicaragua ; Costa Rica.
- hc.* West Indian Islands ; Caribbean Sea ; Gulf of Mexico.
- hd.* Guiana—British, Dutch, and French ; Venezuela ; Trinidad.
- he.* Columbia ; Ecuador.
- hf.* Peru.
- hg.* Bolivia.
- hh.* Brazil
- hi.* Argentina ; Uruguay and Paraguay.
- hk.* Chili.
- hl.* Tierra del Fuego and neighbouring islands ; Falkland Islands.
- hm.* The Andes.

## i. AUSTRALASIA.

- ia.* New Guinea with Islands from Wallace's line, including Gilolo, Amboina, Ceram.
- ib.* Bismarck Archipelago (New Britain, etc., to Solomon Islands inclusive).
- ic.* Australia as a whole.
- id.* Queensland.
- ie.* New South Wales.
- if.* Victoria.
- ig.* South Australia.
- ih.* West Australia.
- ii.* Tasmania.
- ik.* New Zealand.
- il.* New Caledonia, New Hebrides, and Loyalty Islands.

## k. ARCTIC.

- ka.* Arctic Ocean.
- kb.* Greenland.
- kc.* Archipelago north of North America.
- kd.* Islands north of Europe and Asia.

## l. ATLANTIC.

- la.* North Atlantic Ocean and Islands not otherwise specified.
- lb.* Azores: Canaries: Madeira; Cape Verde.
- lc.* South Atlantic and Islands.

## m. INDIAN OCEAN.

- ma.* Ocean and Islands N. of Equator.
- mb.* Ocean and Islands S. of Equator, including Mascarene Islands, Amsterdam, and St. Paul.

## n. PACIFIC.

- na.* North Pacific Ocean (North of Equator).
- nb.* South Pacific Ocean (South of Equator).
- nc.* Behring Sea and Islands (Aleutian Archipelago, etc.).
- nd.* Sandwich Islands and scattered groups N. of Equator and E. of  $180^{\circ}$ .
- ne.* Ladrone, Pelew, Caroline and Marshall Groups, with other Islands N. of Equator and W. of  $180^{\circ}$ .
- nf.* Fiji Islands, Friendly Islands, Samoa, Ellice, Phoenix Islands, etc., west of Meridian  $160^{\circ}$  W. of Greenwich.
- ng.* Galapagos Islands.
- nh.* Society Islands, Low Archipelago, Marquesas, and other Islands of S. Pacific, east of Meridian  $160^{\circ}$  W. of Greenwich.

## o. ANTARCTIC.

- oa.* Antarctic Continent as a whole.
- ob.* S. Georgia, Sandwich Groups, and other Islands S. of S. Atlantic.
- oc.* Prince Edward Island, Crozets, Kerguelen, and other Islands S. of Indian Ocean.
- od.* Islands to Southward and South-east of New Zealand and Area South of Pacific.

# Internationaler Katalog der naturwissenschaftlichen Litteratur.

## I.—TOPOGRAPHISCHE CLASSIFICATION.

[In Verbindung mit Geographie, Geologie, Botanik, Zoologie etc.  
zu benutzen.]

### 1.—HAUPT-ABSCHNITTE.

- a.* Die Erde als Ganzes.
- b.* Das Festland als Ganzes.
- c.* Der Ocean als Ganzes.
- d.* Europa und die Inseln im Mittelländischen Meere.
- e.* Asien und der Malayische Archipel, einschliesslich Celebes und Timor.
- f.* Africa und Madagaskar.
- g.* Nord-Amerika bis zur Grenze zwischen den Vereinigten Staaten und Mexiko.
- h.* Mexiko, Central- und Süd-Amerika, Westindische Inseln.
- i.* Australien, Tasmanien und Neu-Seeland, mit Neu-Guinea, Gilolo und Molukken nach Westen, und mit Salomo-Inseln, Neuen Hebriden und Neu-Caledonien nach Osten.
- k.* Arktisches Gebiet: Grönland und der vom Polarkreis umschlossene Raum, insbesondere die jenseits desselben gelegenen Kütenländer von Amerika, Asien und Europa.
- l.* Atlantisches Gebiet mit seinen Inseln, vom Polarkreis bis 45° S. Br.; der südliche Theil wird südliche von Afrika nach Osten durch den Meridian 20° O. [v. Gr.] begrenzt und reicht im Westen bis zur Küste von Süd-Amerika.
- m.* Der Indische Ocean mit seinen Inseln reicht im Süden bis 45° S. Br.; im Westen bis 20° O. L., im Osten bis zur Küste von Australien und dem Meridian 140° O. L.
- n.* Pacificsches Gebiet mit seinen Inseln, vom Nordpolarkreis bis 45° S. Br., im südlichen Theil begrenzt durch den Meridian 147° O. L. nach Westen, und die Küste von Süd-Amerika nach Osten.
- o.* Antarktisches Gebiet, umfassend das Gebiet südlich von 45° S. Br., mit Ausschluss der Falklands-Inseln, der südlichen Theile von Süd-Amerika und Neu-Seelands, aber einschliesslich der Inseln Neu-Amsterdam und St. Paul.

N.B.—Allgemeine Regel: Inseln, die mehr als 100 englische Meilen (160 Kilometer) vom Festland entfernt sind, sind, falls nicht besonders ausgenommen, als oceanisch zu classificiren.

## 2. UNTERABTHEILUNGEN.

*d.* EUROPA UND DIE INSELN IM MITTELLÄNDISCHEN MEERE.

- da.* Skandinavien: Schweden. Norwegen. Danemark. Island. Faröer.
- db.* Des Europäischen Russland.
- dc.* Das Deutsche Reich.
- dd.* Holland: Belgien: Luxemburg.
- de.* Die Britischen Inseln.
- df.* Frankreich und Corsica.
- dg.* Spanien und Portugal.
- dh.* Italien, mit Sicilien und Sardinien.
- di.* Die Schweiz.
- dk.* Oesterreich-Ungarn (einschliesslich Bosnien und Herzegowina).
- dl.* Die Balkan-Halbinsel (Europäische Türkei, Rumänien, Bulgarien, Serbien, Montenegro, Griechenland).
- dm.* Das Mittelländische Meer mit seinen Inseln (mit Ausschluss von Sicilien, Sardinien und Corsica).
- dn.* Das Schwarze Meer.
- do.* Die Ostsee mit ihren Inseln.

*e.* ASIEN UND DER MALAYISCHE ARCHIPEL.

- ea.* Asiatisches Russland.
- eb.* China und zugehörige Länder; Tibet; Korea.
- ec.* Japanische Inseln; Formosa.
- ed.* Cochinchina; Tonking, Annam.
- ee.* Siam.
- ef.* Britisch-Indien, einschliesslich Himalaya, Burma, Ceylon.
- eg.* Malayische Halbinsel südlich vom Isthmus von Kra. und Malayischer Archipel bis zu Wallace's Linie, einschliesslich Celebes und Timor; Philippinen; Chinesisches Südmeer.
- eh.* Persien; Afghanistan; Belutschistan.
- ei.* Asiatische Türkei; Arabien.
- ek.* Das Kaspische Meer.
- el.* Der Persische Golf.

*f.* AFRIKA UND MADAGASKAR.

- fa.* Die Mittelmeer-Staaten: Marokko, Algier, Tunis, Tripolis.
- fb.* Nordost-Afrika: Egypten und Nilthal bis 10° N. Br.; Abessinien; afrikanische Küste des Rothen Meeres.
- fc.* Die Sahara und der französische Sudan: Darfur etc.
- fd.* West-Afrika, von Marokko bis zum Kongo.
- fe.* Kongo-Staat und Angola.
- ff.* Ostafrika, von der südlichen Grenze von *fb.* bis zum Sambesi; Sokotra.
- fg.* Süd-Afrika, südlich des Sambesi und der Grenze zwischen
- fh.* Madagaskar und Komoren.
- fi.* Das Rothe Meer mit seinen Inseln.



## g. NORD-AMERIKA.

- ga.* Alaska.
- gb.* Canada als Ganzes.
- gc.* West-Canadisches Gebiet: Yukon, Britisch-Columbia, Mackenzie, Athabasca, Alberta, Saskatchewan, Assiniboia.
- gd.* Ost-Canadisches Gebiet; Neufundland.
- ge.* Gebiet der Laurentischen Seen.
- gf.* Vereinigte Staaten als Ganzes.
- gg.* Nordosten der Vereinigten Staaten, östlich vom Mississippi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvania, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).
- gh.* Südosten der Vereinigten Staaten, östlich vom Mississippi.
- gi.* Westen der Vereinigten Staaten, westlich vom Mississippi.

## h. CENTRAL-AMERIKA, SÜD-AMERIKA, WEST-INDIEN.

- ha.* Mexiko.
- hb.* Central-Amerika: Guatemala, Honduras; Britisch-Honduras; Salvador; Nicaragua; Costa Rica.
- hc.* Westindische Inseln; Caraibisches Meer; Golf von Mexiko.
- hd.* Guyana: Britisch, Niederländisch und Französisch; Venezuela; Trinidad.
- he.* Columbia; Ecuador.
- hf.* Peru.
- hg.* Bolivia.
- hh.* Brasilien.
- hi.* Argentinien; Uruguay und Paraguay.
- hk.* Chile.
- hl.* Feuerland und benachbarte Inseln; Falkland Inseln.
- hm.* Die Anden.

## i. AUSTRALASIEN.

- ia.* Neu-Guinea, nebst Inseln im Osten von Wallace's Linie, einschliesslich Gilolo, Amboina, Ceram, Bismarck-Archipel (Neu-Pommern etc. bis Salomo-Inseln).
- ic.* Australien als Ganzes.
- id.* Queensland.
- ie.* Neu-Süd-Wales.
- if.* Victoria.
- ig.* Süd-Australien.
- ih.* West-Australien.
- ii.* Tasmanien.
- ik.* Neu-Seeland.
- il.* Neu-Caledonien, Neue Hebriden und Loyalty Inseln

## k. ARKTISCHES GEBIET.

- ka.* Der Arktische Ocean.
- kb.* Grönland.
- kc.* Archipel nördlich von Nord-Amerika.
- kd.* Inseln nördlich von Europa und Asien.

## l. ATLANTISCHES GEBIET.

- la.* Der Nordatlantische Ocean mit seinen Inseln, soweit sie nicht anderweit eingereiht sind.
- lb.* Azoren; Kanaren; Madeira; Cap Verde.
- lc.* Der Südatlantische Ocean mit seinen Inseln.

## m. INDISCHER OCEAN.

- ma.* Ocean und Inseln nördlich vom Aequator.
- mb.* Ocean und Inseln südlich vom Aequator, einschliesslich Maskarenen, Neu-Amsterdam und St. Paul.

## n. PACIFISCHES GEBIET.

- na.* Nordpazifischer Ocean (nördlich vom Aequator).
- nb.* Sudpazifischer Ocean (südlich vom Aequator).
- nc.* Berings Meer, nebst Inseln (Aleuten-Archipel etc.).
- nd.* Sandwich-Inseln und zerstreute Gruppen nördlich vom Aequator und östlich vom 180. Grad.
- ne.* Ladrone-, Palau-, Carolinen- und Marshall-Gruppen, nebst andern Inseln nördlich vom Aequator und Westlich vom 180. Grad.
- nf.* Fidschi-Inseln, Freundschafts-Inseln, Samoa, Ellice-Inseln, Phönix-Inseln etc., westlich vom Meridian 160° W. L.
- ng.* Galapagos-Inseln.
- nh.* Gesellschafts-Inseln, Niedrige Inseln, Marquesas- und andere Inseln des südlichen Pacifischen Oceans, östlich vom Meridian 160° W. L.

## o. ANTARCTISCHES GEBIET.

- oa.* Der Antarktische Kontinent als Ganzes.
- ob.* Süd-Georgien, Sandwich-Gruppen, und andere Inseln südlich vom südatlantischen Gebiet.
- oc.* Prince Edward-Insel, Crozet-Inseln, Kerguelen- und andere Inseln südlich vom Indischen Ocean.
- od.* Inseln südlich und südöstlich von Neu-Seeland, und Gebiet südlich des Pacifischen Oceans.

# Catalogue International de la Littérature Scientifique.

## CLASSIFICATION TOPOGRAPHIQUE.

[Cette classification sera appliquée à la géographie, à la géologie, à la botanique, à la zoologie, etc.]

### I.—GRANDES DIVISIONS.

- a.* Données d'ensemble relatives au globe terrestre.
- b.* Données d'ensemble relatives aux continents.
- c.* Données d'ensemble relatives aux océans.
- d.* Europe et îles méditerranéennes.
- e.* Asie et Archipel Malais, Célèbes et Timor inclus.
- f.* Afrique et Madagascar.
- g.* Amérique du Nord [en prenant comme limite celle qui sépare les États-Unis du Mexique].
- h.* Le Mexique, Amérique centrale et méridionale avec les Antilles.
- i.* Australie, Tasmanie et Nouvelle Zélande avec la Nouvelle Guinée, Gilolo et les Moluques à l'ouest, les îles Salomon, les Nouvelles Hébrides et la Nouvelle Calédonie à l'est.
- k.* Régions arctiques : Grænland et surface polaire s'étendant des côtes américaines, asiatiques et européennes à l'extrême nord.
- l.* Atlantique avec les îles comprises entre le cercle polaire arctique et le 45° de lat. S. Partie sud de l'Atlantique limitée à l'est par le méridien 20° E. (Greenwich), au sud de l'Afrique ; et à l'ouest par le côte de l'Amérique du sud.
- m.* Océan Indien avec les îles situées dans l'espace limité dans le sud par le 45° de lat. S. ; à l'ouest par le méridien 20° E. (Greenwich) ; dans l'est par la côte australienne et le méridien 147° E. (Greenwich).
- n.* Le Pacifique avec les îles comprises, en latitude, du cercle polaire arctique au 45° de lat. S. ; en longitude, du méridien 147° E. (Greenwich) à la côte de l'Amérique du sud.
- o.* Régions antarctiques : depuis le 45° de lat. S., moins les Falkland, la pointe sud de l'Amérique méridionale et la Nouvelle Zélande, mais en y comprenant les îles St. Paul et Nouvelle Amsterdam.

N.B.—En général les îles qui se trouvent à plus de 160 à 185 kilomètres du continent sont classées comme îles océaniques, à moins que le contraire ne soit stipulé spécialement.

## II.—SUBDIVISIONS.

*d.* EUROPE ET ÎLES MÉDITERRANÉENNES.

- da.* Scandinavie : Suède, Norvège, Danemark, Islande, îles Feroë.
- db.* Russie d'Europe.
- dc.* Empire Germanique.
- dd.* Hollande ; Belgique ; Luxembourg.
- de.* Îles Britanniques.
- df.* France et Corse.
- dg.* Espagne et Portugal.
- dh.* Italie ; Sicile et Sardaigne.
- di.* Suisse.
- dk.* Autriche-Hongrie (Bosnie et Herzégovine inclus).
- dl.* Péninsule Balkanique (Turquie d'Europe, Roumanie, Bulgarie, Serbie, Monténégro et Grèce).
- dm.* Méditerranée avec ses îles (moins la Sicile, la Sardaigne, et la Corse).
- dn.* Mer Noire.
- do.* La Baltique et ses îles.

*e.* ASIE ET ARCHIPEL MALAIS.

- ea.* Asie russe.
- eb.* Chine et dépendances ; Thibet ; Corée.
- ec.* Archipel du Japon ; Formose.
- ed.* Cochinchine. Tonkin. Annam. Cambodge.
- ee.* Siam.
- ef.* Indes Britanniques : Himalaya ; Burma, Ceylan.
- eg.* La Péninsule Malaise depuis l'isthme de Kra ; et l'Archipel Malais jusqu'à la ligne séparative de Wallace, y compris Célèbes, Timor, les Philippines et la Mer de Chine.
- eh.* Perse ; Afghanistan ; Bélouchistan.
- ei.* Turquie d'Asie ; Arabie.
- ek.* Mer Caspienne.
- el.* Golfe persique.

*f.* AFRIQUE ET MADAGASCAR.

- fa.* Pays méditerranéens : Maroc, Algérie, Tunisie, Tripoli.
- fb.* N.E. Africain ; Egypte et la vallée du Nil depuis le 10° de lat. N. ; Abyssinie ; côte africaine de la Mer Rouge.
- fc.* Le Sahara et le Soudan français ; Darfour, etc.
- fd.* Ouest africain, du Maroc au Congo.
- fe.* Etat du Congo et Angola.
- ff.* Est africain, depuis la bordure sud de *fb* au Zambèze ; Socotora.

- fg.* Sud africain—Au sud du Zambèze et de la limite entre les possessions portugaises et allemandes du sud-ouest de l'Afrique.
- fh.* Madagascar et groupe des Comores.
- fi.* La Mer Rouge et ses îles.

#### *g.* AMÉRIQUE DU NORD.

- ga.* Alaska.
- gb.* Le Canada dans son entier.
- gc.* Puissance du Canada de l'ouest (Yukon, Colombie Britannique, Mackenzie, Athabasca, Alberta, Saskatchewan, Assiniboia).
- gd.* Puissance du Canada de l'est ; Terre neuve.
- ge.* Région des grands lacs laurentiens.
- gf.* États-Unis.
- gg.* États-Unis du Nord - Est, à l'est du Mississipi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvanie, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).
- gh.* États-Unis du sud-est, à l'est du Mississipi.
- gi.* États-Unis de l'ouest, à l'ouest du Mississipi.

#### *h.* AMÉRIQUE CENTRALE ET MÉRIDIONALE ; INDES OCCIDENTALES.

- ha.* Mexique.
- hb.* Amérique centrale : Guatemala ; Honduras ; Honduras britannique ; Salvador ; Nicaragua ; Costa Rica.
- hc.* Antilles ; Mer Caraïbe ; Golfe du Mexique.
- hd.* Guyanes britannique, hollandaise, et française ; Vénézuéla ; île de Trinité.
- he.* Colombie. Ecuador.
- hf.* Pérou.
- hg.* Bolivie.
- hh.* Brésil.
- hi.* République Argentine ; Uruguay et Paraguay.
- hk.* Chili.
- hl.* Terre de feu et îles voisines ; les Falkland (Malouines).
- hm.* Les Andes.

#### *i.* AUSTRALIE.

- ia.* Nouvelle Guinée avec les îles de la ligne séparative de Wallace, en y comprenant Gilolo, Amboine, Ceram.
- ib.* Archipel de Bismarck (Nouvelle Bretagne avec les îles Salomon).
- ic.* L'Australie en son entier.
- id.* Queensland.
- ie.* Nouvelle Galles du sud.
- if.* Victoria.
- ig.* Australie du sud.

- ih.* Australie occidentale.
- ii.* Tasmanie.
- ik.* Nouvelle Zélande.
- il.* Nouvelle Calédonie, Nouvelles Hébrides et les îles Loyauté.

#### k. RÉGIONS ARCTIQUES.

- ka.* Océan arctique.
- kb.* Groenland.
- kc.* Archipel nord de l'Amérique du Nord.
- kd.* Îles au nord d'Europe et d'Asie (Spitzberg, etc.).

#### l. ATLANTIQUE.

- la.* Océan Atlantique septentrional, et les îles qui n'ont pas encore été spécifiées.
- lb.* Açores; Canaries; Madère; Cap Vert.
- lc.* Atlantique méridional et ses îles.

#### m. OCÉAN INDIEN.

- ma.* Océan et les îles au nord de l'Equateur.
- mb.* Océan et les îles au sud de l'Equateur, avec les Mascareignes et les îles Amsterdam et St. Paul.

#### n. PACIFIQUE.

- na.* Pacifique septentrional (au nord de l'Equateur).
- nb.* Pacifique méridional (au sud de l'Equateur).
- nc.* Mer de Behring et ses îles (Aléoutiennes . . . etc.).
- nd.* Îles Sandwich, avec les groupes situés au nord de l'Equateur et à l'est du 180°.
- ne.* Mariannes, Pelew, archipel des Carolines et de Marshall, avec les autres îles situées au nord de l'Equateur et à l'ouest du 180°.
- nf.* Îles Fidji, îles des Amis (Tonga, Samoa, Ellice, Phénix et autres) situées à l'ouest du méridien 160° O. (Greenwich).
- ng.* Îles Galapagos.
- nh.* Îles de la Société, Pomoutou, Marquises et autres îles du Pacifique méridional à l'est du méridien 160° O. (Greenwich).

#### o. RÉGIONS ANTARCTIQUES.

- oa.* Continent antarctique dans son entier.
- ob.* Géorgie du Sud, groupe des Sandwichs et autres îles au S. de l'Atlantique méridional.
- oc.* Îles du Prince Edouard, Crozet, Kerguelen et autres îles au S. de l'Océan Indien.
- od.* Îles au sud et au sud-est de la Nouvelle Zélande et régions méridionales du Pacifique.



# Catalago Internazionale della Letteratura Scientifica.

## I.—CLASSIFICAZIONE TOPOGRAFICA.

[Da usarsi in rapporto con la Geografia, Geologia, Botanica, Zoologia, ecc.],

### 1.—DIVISIONI PRINCIPALI.

- a.* La Terra nel suo complesso.
- b.* Le terre emerse.
- c.* L'oceano nel suo complesso.
- d.* Europa e Isole del Mediterraneo.
- e.* Asia e Arcipelago Malese, comprese Celebes e Timor.
- f.* Africa e Madagascar.
- g.* America settentrionale fino al limite tra gli Stati Uniti e il Messico.
- h.* Messico, America Centrale e Meridionale, e Indie Occidentali.
- i.* Australia. Tasmania e Nuova Zelanda colla Nuova Guinea, Gilolo e Molucche verso Ponente, le Salomone, le Nuove Ebridi e la Nuova Caledonia verso Levante.
- k.* Regione Artica: Groenlandia e l'area a Nord del Circolo Polare, ovvero a Nord delle coste dell'America continentale, dell'Asia e dell'Europa.
- l.* L'Atlantico e le sue Isole dal Circolo Polare Artico alla Lat. di 45° S., limitato nella sua parte meridionale oltre la costa Africana dal 20° E. da Greenwich, ad Est; e dalla costa dell'America meridionale ad Ovest.
- m.* L'Oceano Indiano e le sue Isole, limitato a sud dal 45° di Lat. S., a Ponente del meridiano 20° E. di Greenwich; a Levante dalla costa dell'Australia e dal 147° E. da Greenwich.
- n.* Il Pacifico e le sue Isole dal Circolo Polare Artico alla Lat. di 45° S., e tra il 147° meridiano E. da Greenwich e le coste dell'America meridionale.
- o.* Regione Antartica: cioè l'area meridionale limitata dal 45° S., eccetto le Isole Falkland e le parti meridionali dell'America del Sud e della Nuova Zelanda; comprendendovi però le isole di Nuova Amsterdam e S. Paolo.

N.B.—Come regola generale, le isole lontane più di 100 miglia inglesi (160 chilometri) dal continente devono essere classificate come oceaniche, salvo speciali eccezioni.



## 2.—SUDDIVISIONI.

## d. EUROPA E ISOLE DEL MEDITERRANEO.

- da. Scandinavia : Svezia, Norvegia, Danimarca, Islanda, Fär Öer.
- db. Russia Europea.
- dc. Impero Germanica.
- dd. Olanda ; Belgio ; Lussemburgo.
- de. Isole Britanniche.
- df. Francia e Corsica.
- dg. Spagna e Portogallo.
- dh. Italia : Sicilia e Sardegna.
- di. Svizzera.
- dk. Austria-Ungheria (comprese Bosnia ed Erzegovina).
- dl. Penisola, Balcanica (Turchia Europea, Rumania, Bulgaria, Servia, Montenegro e Grecia).
- dm. Mediterraneo e Isole (salvo la Sicilia, la Sardegna e la Corsica).
- dn. Mar Nero.
- do. Il Baltico e le sue Isole.

## e. ASIA E ARCIPELAGO MALESE.

- ea. Russia Asiatica.
- eb. Cina e dipendenze : Tibet ; Corea.
- ec. Isole del Giappone ; Formosa.
- ed. Coccincina : Tonchino, Annam.
- ee. Siam.
- ef. India Britannica : Hinnalaya ; Birmania ; Ceylon.
- eg. Penisola Malese dall' Istmo di Kra e Arcipelago Malese fino alla linea, di Wallace, comprendendovi Celebes e Timor colle Filippine e il Mar della Cina.
- eh. Persia ; Afghanistan ; Belucistan.
- ei. Turchia Asiatica ; Arabia.
- ek. Il Caspio.
- el. Golfo Persica.

## f. AFRICA E MADAGASCAR.

- fa. Stati Mediterranei—Marocco. Algeri, Tunisi, Tripoli.
- fb. Africa del N.E. ; Egitto e Vallatta del Nilo fino al 10' di Lat. N. ; Abissinia ; Coste dell' Africa sul Mar Rosso.
- fc. Sahara e Sudan Francese ; Darfur, ecc.
- fd. Africa occidentale dal Marocco al Congo.
- fe. Stato del Congo e Angola.
- ff. Africa orientale dal limite indicato in fb al Zambesi ; Socotra
- fg. Africa australe dal Zambesi e dal confine tra l' Africa Portoghese e l' Africa Germanica del S.W.
- fh. Madagascar e Gruppo delle Comoro.
- fi. Il Mar Rosso e le sue Isole.

## g. AMERICA SETTENTRIONALE.

- ga.* Alaska.
- gb.* Il Canada in generale.
- gc.* Dominio del Canada occidentale (Yukon, Columbia Britannica, Mackenzie, Athabasca, Alberta, Saskatchewan, Assiniboia).
- gd.* Dominio del Canada orientale; Terranova.
- ge.* I Laghi Laurenziana.
- gf.* Gli Stati Uniti in generale.
- gg.* Stati Uniti del Nord-Est. ad E. del Mississippi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvania, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).
- gh.* Stati Uniti del Sud-Est. ad E. del Mississippi.
- gi.* Stati Uniti occidentali, ad W. del Mississippi.

## h. AMERICA CENTRALE E MERIDIONALE E INDIE OCCIDENTALI.

- ha.* Messico.
- hb.* America Centrale; Guatemala; Honduras; Honduras Britannico; Salvador; Nicaragua; Costa Rica.
- hc.* Indie occidentali; Mar dei Caribi; Golfo del Messico.
- hd.* Guaiana—Britannica, Olandese e Francese; Venezuela; Trinidad.
- he.* Columbia; Ecuador.
- hf.* Perù.
- hg.* Bolivia.
- hh.* Brasile.
- hi.* Argentina; Uruguay e Paraguay.
- hk.* Cile.
- hl.* Terra del Fuoco e Isole vicine; Isole Falkland.
- hm.* Le Ande.

## i. AUSTRALIA E OCEANIA.

- ia.* Nuova Guinea colle Isole dalla linea di Wallace, comprendendovi Gilolo (Halmahera) Amboina, Seram.
- ib.* Arcipelago di Bismarck (Nuova Britannia, ecc., fino alle Solomone inclusivamente).
- ic.* Australia in generale.
- id.* Queensland.
- ie.* Nuova Galles del Sud.
- if.* Victoria.
- ig.* Australia meridionale.
- ih.* Australia occidentale.
- ii.* Tasmania.
- ik.* Nuova Zelanda.
- il.* Nuova Caledonia. Nuove Ebridi, e Isole Loyalty.

### *l.* REGIONE ARTICA.

- la.* Oceano Artico.
- lb.* Groenlandia.
- lc.* Arcipelago Nord Americano.
- ld.* Isole a N. dell' Europa e dell' Asia.

### *l.* OCEANO ATLANTICO.

- la.* Oceano Atlantico settentrionale e sue Isole, non indicate altrove.
- lb.* Azorre; Canarie; Madera; Isole del Capo Verde.
- lc.* Atlantico meridionale e sue Isole.

### *m.* OCEANO INDIANO.

- ma.* Oceano e Isole a Nord dell' Equatore.
- mb.* Oceano e Isole a Sud dell' Equatore, comprendendovi le Mascarene, Amsterdam e S. Paolo.

### *n.* OCEANO PACIFICO.

- na.* Pacifico del Nord (a N. dell' Equatore).
- nb.* Pacifico del Sud (a S. dell' Equatore).
- nc.* Mar di Behring e sue Isole (Aleutine, ecc.).
- nd.* Isole Sandwich e Gruppi sparsi a N. dell' Equatore e ad E. del 180°.
- ne.* Isole dei Ladroni, Pelew, Caroline e Marshall, con altre Isole a N. dell' Equatore e ad ovest del 180°.
- nf.* Isole Figi, degli Amici, Samoa, Ellice, Fenice, ecc., ad ovest del 160° W. di Greenwich.
- ng.* Isole Galapagos.
- nh.* Isole della Società, Arcipelago di Low, Marchesi e altre Isole del Pacifico meridionale, ad Est del meridiano 160° W. da Greenwich.

### *o.* REGIONE ANTARTICA.

- oa.* Regione antartica in generale.
- ob.* Georgia australe, Gruppo delle Sandwich e altre Isole a Sud dell' Atlantico meridionale.
- oc.* Isole del Principe Edoardo, Crozets, Kerguelen e altre Isole a Sud dell' Oceano Indiano.
- od.* Isole a Sud e a Sud-Est della Nuova Zelanda e Regione a Sud del Pacifico.

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**Müller, Hermann.** Das Klima von Calw nach hundertjährigen Wetterbeobachtungen. Stuttgart, *Jahreshefte Ver. Natk.*, **57**, 1901, (189-218, mit 2 Taf.). [1700 dc J 60].

**Schubert, J[ohannes].** Vergleichende Temperatur- und Feuchtigkeitsbestimmungen. Bericht über meteorologische Beobachtungen der Hauptstation für das forstliche Versuchswesen in Preussen. Berlin, *Abh. met. Inst.*, **1**, 1901, (307-326). [0210 1700].

**Treitschke**, Friedr. Die Witterung in Thüringen 1900. Wetter, Berlin, **18**, 1901, (97-104).

**Ziegler**, Julius und König, Walter. Das Klima von Frankfurt am Main. Eine Zusammenstellung der wichtigsten meteorologischen Verhältnisse von Frankfurt a. M. nach vieljährigen Beobachtungen im Auftrag des Physikalischen Vereins bearb. Nachtrag. Frankfurt a. M. (C. Naumann), 1901, (XXII + 68, mit 2 Taf.). 29 cm. 4 M. [1700 J 604e].

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Osservazioni meteoriche fatte all'Ospizio-Santuario di Oropa. Eco del Santuario di Oropa, Biella, **4**, 1901, [in copertina, pubblicazione quindicinale].

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Riassunto delle osservazioni meteorologiche eseguite nell'anno 1899-900 all'Osservatorio meteorologico annesso al R. Istituto tecnico e nautico. Bari (Avellino e C<sup>o</sup>), [1901], (10). 16 cm.

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**Bardelli**, F. Riassunto annuale delle osservazioni meteorologiche fatte all'Osservatorio G. B. Donati nel seminario di S. Caterina in Pisa. Torino, Boll. mens. Oss. Moncalieri, (Ser. 2), **21**, 1901, (28).

**Bettoni**, Pio. [Osservazioni meteorologiche fatte all'] Osservatorio di Salò dal 1° settembre 1900 al 31 agosto 1901. Brescia, Comment. Ateneo, **1901**, (356-366). [1700].

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<i>Acireale, Atti Acc. Zelanti</i>	Atti dell' Accademia degli Zelanti, Acireale.	1 It.
<i>Aéronaute, Paris</i> ...	Aéronaute (l'), bulletin mensuel illustré de la société française de navigation aérienne. Dir. Hureau de Villeneuve. Paris. [mensuel.]	9 Fr.
<i>Agricoltura, Catania</i> ...	L'Agricoltura calabro-sicula, Catania	3 It.
<i>Allg. Forstztg, Frankfurt a. M.</i>	Allgemeine Forst- und Jagd-Zeitung, hrsg. v. Lorey. Frankfurt a. M. [monatl.] Nebst Supplement: Jahresbericht über Veröffentlichungen und wichtigere Ereignisse im Gebiete des Forstwesens etc.	25 Ger.
<i>Amer. J. Sci., New Haven, Conn.</i>	American Journal of Science, New Haven, Conn.	17 U.S.
<i>Amiens, Bul. soc. lin.</i> ...	Bulletin de la société linéenne du nord de la France. Amiens Somme. [mensuel.]	28 Fr.
<i>Amsterdam, Tijdschr. K. Ned. Acad. Gen.</i>	Tijdschrift van het Koninklijk Nederlandsch Aardrijkskundig Genootschap, Amsterdam, So.	4 Hol.
<i>Ann. chim. phys., Paris</i> ...	Annales de chimie et de physique, Réd. MM. Berthelot, Friedel, Mascart, Moissan. Paris. [mensuel.]	44 Fr.
<i>Ann. Hydrogr., Berlin</i> ...	Annalen der Hydrographie und maritimen Meteorologie, hrsg. v. d. deutschen Seewarte. Berlin. [monatl.] Nebst Beiheften.	43 Ger.
<i>Ann. hydrogr., Paris</i> ...	Annales hydrographiques. Ministère de la Marine. Paris. [annuel.]	54 Fr.
<i>Ann. Physik, Beibl., Leipzig</i>	Beiblätter zu den Annalen der Physik, hrsg. v. Wiedemann, Leipzig. [referierend, monatl.]	45 Ger.
<i>Annu. Soc. météor., Paris...</i>	Annuaire de la société météorologique de France. Paris. [trimestr.]	97 Fr.
<i>Antol. agr. Alba</i> ...	Antologia agraria Alba. ...	15 It.
<i>ApothZtg, Berlin</i> ...	Apothekerzeitung. Organ des deutschen Apotheker-Vereins. [ $\frac{1}{2}$ woch.] Nebst Beibl.: Repertorium der Pharmacie.	50 Ger.
<i>Arcachon, soc. sci. station zol.</i>	Société scientifique et Station zoologique d'Arcachon (Gironde). Travaux des Laboratoires. Paris. [annuel.]	106 Fr.
<i>Astr. Nachr., Kiel</i> ...	Astronomische Nachrichten, hrsg. v. Kreutz. Kiel, Hamburg. {72 Nrn jährl.}	44 Ger.

<i>Atel. Phot., Halle</i> ...	Das Atelier des Photographen, red. v. Miethe. Halle. [monatl.] Nebst Beibl.: Photographische Chronik. [wöch.]	95 Ger.
<i>Bagnères de Bigorre, Bul. soc. Ramond.</i>	Bulletin de la Société Ramond. Bagnères de Bigorre (Hautes-Pyrénées) Toulouse. [trimestr.]	159 Fr.
<i>Baln. Clim. J., London</i> ...	Balneological and Climatological Journal (Journal of the British Balneological and Climatological Society), London.	19 U.K.
<i>Batavia, Nat. Tijdschr.</i> ...	Natuurkundig Tijdschrift voor Nederlandsch-Indië uitgegeven door de Koninklijke natuurkundige Vereeniging, Batavia, 8o.	11 Hol.
<i>Batavia. Obsns. Magn. Meteor.</i>	Observations made at the Royal Magnetical and Meteorological Observatory at Batavia, Batavia, folio.	12 Hol.
<i>Bergen, Naturen</i> ...	Naturen, Bergen ...	6 Nor.
<i>Berlin, Abh. met. Inst.</i> ...	Abhandlungen des kgl. preussischen meteorologischen Institutes. Berlin. [zwanglos.]	155 Ger.
<i>Berlin, Jahrb. Versuchsanst. Brau.</i>	Jahrbuch der Versuchs- und Lehranstalt für Brauerei in Berlin, red. v. Windisch. Berlin. [jährl.]	172 Ger.
<i>Berlin, SitzBer. Ak. Wiss.</i>	Sitzungsberichte der kgl. preussischen Akademie der Wissenschaften. Berlin. [wöch.]	182 Ger.
<i>Berlin, Zs. Ver. D. Ing.</i> ...	Zeitschrift des Vereins deutscher Ingenieure. Berlin. [wöch.]	202 Ger.
<i>Ber. Vers.sächs. Forstver., Tharandt</i>	Bericht über die Versammlung des sächsischen Forstvereins. Tharandt. [jährl.]	147 Ger.
<i>Biol. Centralbl., Berlin</i> ...	Biologisches Centralblatt, hrsg. v. Rosenthal. Berlin. [ $\frac{1}{2}$ monatl.]	226 Ger.
<i>Bl. Zuckerrübenbau, Berlin</i>	Blätter für Zuckerrübenbau, hrsg. v. Hager. [ $\frac{1}{2}$ monatl.]	235 Ger.
<i>Boll.san. annuale, Spezia</i> ...	Bollettino sanitario annuale, Spezia ...	35 It.
<i>Bologna, Ann. Ragg. Uff. prov. Agric.</i>	Annali e Ragguagli dell' Ufficio provinciale per l'Agricoltura, Bologna.	40 It.
<i>Bologna, Ann. Soc. agr. prov.</i>	Annali della Società agraria provinciale, Bologna.	41 It.
<i>Bremen, Abh. natw. Ver.</i>	Abhandlungen, hrsg. v. naturwissenschaftlichen Verein zu Bremen. Bremen. [1-2 H. jährl.]	253 Ger.
<i>Brescia, Comment. Ateneo</i>	Commentarii dell' Ateneo, Brescia. ...	45 It.
<i>Budapest, Magy. kir. országos met. földmagn., int. évk.</i>	A magyar királyi országos meteorologiai és földmagnességi intézet évkönyvei, Budapest. [Jahrbücher der königlichen ungarischen Reichsanstalt für Meteorologie und Erdmagnetik, Budapest.]	2 Hun.

<i>Bul. comm. météor., Bar-le-Duc.</i>	Bulletin de la commission météorologique de Bar-le-Duc. [F]	912 Fr.
<i>Bul. comm. météor., Marseille</i>	Bulletin de la commission de météorologie des Bouches du Rhône. Marseille (Bouches du Rhône). [annuel.]	213 Fr.
<i>Cambridge, Mass., Ann. Obs. Harvard Univ.</i>	Annals of the Harvard University Astronomical Observatory, Cambridge, Mass.	73 U.S.
<i>Cardiff, Trans. Nat. Soc.</i>	Transactions of the Cardiff Naturalists' Society, Cardiff.	55 U.K.
<i>Catania, Atti Acc. Gioenia</i>	Atti dell' Accademia Gioenia di scienze naturali, Catania.	48 It.
<i>Chester, Proc. Soc. Nat. Sci.</i>	Proceedings of the Chester Society of Natural Science and Literature, Chester.	60 U.K.
<i>Chožain. St. Peterburg ...</i>	Хозяинъ. С.-Петербургъ [Le propriétaire rural. St.-Petersbourg].	29 Rus.
<i>Conegliano Riv. R. Scuola vit. enol.</i>	La Rivista. Organo della R. Scuola di viticoltura e di enologia, Conegliano.	56 It.
<i>Congrès internat. météor., Paris</i>	Congrès international de météorologie tenu à Paris [en] 1900.	Fr.
<i>Cosmos, Paris ...</i>	Cosmos, revue hebdomadaire des sciences et de leurs applications, fondée par M. l'abbé Moigno. Paris.	300 Fr.
<i>C.-R. cong. soc. sav., Paris</i>	Comptes-rendus du congrès des sociétés savantes de Paris et des départements. Section des Sciences. Paris. [annuel].	283 Fr.
<i>Croydon, Proc. Trans. Microsc. Nat. Hist. Cl.</i>	Proceedings and Transactions of the Croydon Microscopical and Natural History Club, Croydon.	66 U.K.
<i>D. landw. Presse, Berlin ...</i>	Deutsche landwirthschaftliche Presse, red. v. Müller. Berlin. [ $\frac{1}{2}$ wöch.]	348 Ger.
<i>Dorchester, Proc. Dorset Nat. Hist. F. Cl.</i>	Proceedings of the Dorset Natural History and Antiquarian Field Club, Dorchester.	70 U.K.
<i>Douglas, J. Isle Man Soc.</i>	Yn Lioar Manninagh, Douglas, 8vo. ...	71 U.K.
<i>Dresdener landw. Presse ...</i>	Dresdener landwirthschaftliche Presse, red. v. Platzmann. Dresden. [wöch].	417 Ger.
<i>Dublin, Sci. Proc. R. Soc. ...</i>	Scientific Proceedings of the Royal Dublin Society, Dublin.	77 U.K.
<i>D. übers. met. Beob., Hamburg</i>	Deutsche überseeische meteorologische Beobachtungen, gesammelt u. hrsg. v. d. deutschen Seewarte. Hamburg. [zwanglos.]	378 Ger.
<i>Edinburgh, J. Scot. Meteor. Soc.</i>	Journal of the Scottish Meteorological Society, Edinburgh and London.	91 U.K.
<i>Edinburgh, Trans. R. Soc.</i>	Transactions of the Royal Society of Edinburgh.	109 U.K.
<i>Elec., Rev., New York, N.Y.</i>	Electrical Review, New York, N.Y. ..	135 U.S.



<i>Electricien, Paris ...</i>	Electricien (l'), revue internationale de l'électricité et de ses applications. Réd. J. A. Montpellier. Paris. [hebdomad.]	325 Fr.
<i>Elektrot. Zs., Berlin ...</i>	Elektrotechnische Zeitschrift (Centralblatt für Elektrotechnik), red. v. Kapp u. West. Berlin, München. [wöch.].	434 Ger.
<i>Elettricista, Roma ...</i>	L'Elettricista, Roma. ...	58 It.
<i>Emden, Jahresber. natf. Ges.</i>	Jahresbericht der naturforschenden Gesellschaft in Emden. Emden. [2 jährl.]	436 Ger.
<i>Engin. News, New York, N.Y.</i>	Engineering News and American Railway Journal, New York, N.Y.	140 U.S.
<i>Ent. Jahrb., Leipzig ...</i>	Entomologisches Jahrbuch, hrsg. v. Krancher. Leipzig. [jährh.]	439 Ger.
<i>Ferrara, Atti Acc. med. nat.</i>	Atti dell' Accademia di scienze mediche e naturali, Ferrara.	60 It.
<i>Fennia, Helsingfors ...</i>	Fennia. Bulletin de la Société de Géographie de Finlande. Helsingfors. 8: o.	8 Fin.
<i>Firenze, Atti Acc. Georgof.</i>	Atti dell' Accademia dei Georgofili, Firenze.	62 It.
<i>Fortschr. Physik, Braunschweig</i>	Fortschritte der Physik, hrsg. u. Assmann u. Börnstein Braunschweig. [referierend, der Jg. zu 3 Abth].	470 Ger.
<i>Forstwiss. Centralbl., Berlin</i>	Forstwissenschaftliches Centralblatt, hrsg. v. Fürst. Berlin. [monatl.]	466 Ger.
<i>Fühlings landw. Ztg., Stuttgart</i>	Fühlings landwirtschaftliche Zeitung, hrsg. v. Fischer. Stuttgart. [ $\frac{1}{2}$ monatl.]	489 Ger.
<i>Genova, Atti Soc. ligustica sc. nat. geogr.</i>	Atti della società ligustica di scienze naturali e geografiche, Genova.	76 It.
<i>Géographie, Paris ...</i>	Géographie (la), bulletin de la société de géographie, par Huret et Ch. Rabot. Paris. [mensuel.]	362 Fr.
<i>Geogr. Zs., Leipzig...</i>	Geographische Zeitschrift, hrsg. v. Hettner. Leipzig. [monatl.]	512 Ger.
<i>Glasgow, Trans. Nat. Hist. Soc.</i>	Transactions of the Natural History Society of Glasgow, Glasgow.	142 U.K.
<i>Glückauf, Essen ...</i>	Glückauf. Berg- und hüttenmännische Wochenschrift, red. v. Engel etc. Essen. [wöch.].	526 Ger.
<i>Greifswald, Mitt. natur. Ver.</i>	Mitteilungen aus dem naturwissenschaftlichen Verein für Neu-Vorpommern und Rügen in Greifswald. Berlin. [jährh.]	535 Ger.
<i>Guéret, Mém. soc. sci. nat.</i>	Mémoires de la société des sciences naturelles et archéologiques de la Creuse. Guéret (Creuse). [annuel.]	369 Fr.
<i>Haarlem, Arch. Néerl. Sci. Soc. Holl.</i>	Archives Néerlandaises des Sciences exactes et naturelles publiées par la Société Hollandaise des Sciences, Haarlem, 8o.	22 Hol.

<i>Halifax Nat</i> ... ..	The Halifax Naturalist and Record of the Scientific Society, Halifax.	147 U.K.
<i>Hamburg, Verh. nativ. Ver.</i>	Verhandlungen des naturwissenschaftlichen Vereins in Hamburg-Altona. Hamburg. [jährh.]	559 Ger.
<i>Handl. Ned. Nat. Geneesk. Congres.</i>	Handelingen van het Nederlandsch Natuur- en Geneeskundig Congres, So.	26 Hol.
<i>Hertford, Trans. Nat. Hist. Soc.</i>	Transactions of the Hertfordshire Natural History Society and Field Club, Hertford.	148 U.K.
<i>Himmel u. Erde, Berlin</i> ...	Himmel und Erde. Illustrierte naturwissenschaftliche Monatsschrift, red. v. Schwahn. Berlin. [monatl.]	585 Ger.
<i>Horol. J., London</i> ... ..	Horological Journal, London ... ..	152 U.K.
<i>Ill. aeron. Mitt., Strassburg</i>	Illustrierte aeronautische Mittheilungen, hrsg. v. Münchener und oberrheinischen Verein für Luftschiffahrt Strassburg. [ $\frac{1}{4}$ jährh.]	651 Ger.
<i>Ind. Met. Mem., Calcutta</i> ...	Indian Meteorological Memoirs, Calcutta.	19 Ind.
<i>Jahrb. Bergw., Freiberg</i> ...	Jahrbuch für das Berg- und Hüttenwesen im Königreich Sachsen, hrsg. v. Menzel. Freiberg. [jährh.]	604 Ger.
<i>Jahrb. Phot., Halle</i> ... ..	Jahrbuch für Photographie und Reproduktionstechnik, hrsg. v. Eder. Halle. [jährh.]	615 Ger.
<i>J. phys., Paris</i> ... ..	Journal de physique théorique et appliquée, publié par Bouty, Cornu, Lippmann, Mascart, Potier. Paris. [mensuel.]	411 Fr.
<i>Journ. exp. Landw., St. Peterburg.</i>	Журнал опытной агрономии. С.-Петербург. [Journal für experimentelle Landwirthschaft. St. Petersburg].	71 Rus.
<i>Jurjev, Acta Univ.</i> ... ..	Ученые Записки Императорскаго Юрьевского Университета. Юрьевъ [Acta et commentationes Imperialis Universitatis Jurjevensis (olim Dorpatensis)].	73 Rus.
<i>Karlsruhe, Verh. nativ. Ver.</i>	Verhandlungen des naturwissenschaftlichen Vereins in Karlsruhe. Karlsruhe. [mehrjährh.]	681 Ger.
<i>Kazan, Zap. Univ.</i> ... ..	Ученые Записки Императорскаго Университета. Казань [Mémoires scientifiques de l'Université Impériale de Kazan.]	90 Rus.
<i>Kjöbenhavn, Meteor. Aarb.</i>	Dansk meteorologisk Aarbog, Kjöbenhavn.	17 Den.
<i>Kjöbenhavn, Vid. Selsk. Overs.</i>	Oversigt over det kongelige danske Videnskabernes Selskabs Forhandling, Kjöbenhavn.	19 Den.
<i>Knowledge, London</i> ... ..	Knowledge, London.	187 U.K.

<i>Kosmos, Lwów</i> ... ..	<i>Kosmos</i> , czasopismo Polskiego Towarzystwa przyrodników im. Kopernika, red. B. Radziszewski, Lwów, 8° [monthly.]	21 Pol.
<i>Kraków, Bull. Intern. Acad.</i>	Bulletin International de l'Académie des Sciences de Cracovie, classe des Sciences mathématiques et naturelles; red. J. Rostafiński, Cracovie, 8° [monthly.]	11 Pol.
<i>Kraków, Rozpr. Akad. A.</i> ...	Rozprawy Wydziału Matematyczno-Przyrodniczego Akademii Umiejętności, Dział A, nauki matematyczno-fizyczne, Kraków, 8° [monthly.]	14 Pol.
<i>Kraków, Spraw. Kom. fizyogr.</i>	Sprawozdanie Komisji fizyograficznej, obejmujące pogląd na czynności dokonane w ciągu roku . . . . . oraz Materiały do fizyografi krajowej, Kraków, 8° [annual.]	17 Pol.
<i>London, Geog. J.</i> ... ..	Geographical Journal (Royal Geographical Society), London.	218 U.K.
<i>London, J. Sanit. Inst.</i> ...	Journal of the Sanitary Institute, London.	243 U.K.
<i>London, J. Soc. Arts</i> ...	Journal of the Society of Arts, London.	244 U.K.
<i>London, Meteor. Rec. R. Meteor. Soc.</i>	Meteorological Record of the Royal Meteorological Society, London.	458 U.K.
<i>London, Phil. Trans. R. Soc.</i>	Philosophical Transactions of the London Royal Society.	254 U.K.
<i>London, Proc. Physic. Soc.</i>	Proceedings of the Physical Society of London, London.	263 U.K.
<i>London, Proc. R. Soc.</i> ...	Proceedings of the London Royal Society.	267 U.K.
<i>London, Q. J. Geol. Soc.</i> ...	Quarterly Journal of the Geological Society, London.	272 U.K.
<i>London, Q. J. R. Meteor. Soc.</i>	Quarterly Journal of the Royal Meteorological Society, London.	273 U.K.
<i>London, Rep. Brit. Ass.</i> ...	Report of the British Association for the Advancement of Science, London.	276 U.K.
<i>Lüneburg, Jahreshfte natw. Ver.</i>	Jahreshfte des naturwissenschaftlichen Vereins für das Fürstenthum Lüneburg, Lüneburg. [3 jähr.]	763 Ger.
<i>Lyon, Ann. soc. agricult.</i> ...	Annales de la société d'agriculture de Lyon (Rhône). [trimestr.]	443 Fr.
<i>Mantova, Boll. quindic. Comizio agr.</i>	Bollettino quindicinale del Comizio agrario, Mantova.	93 It.
<i>Marlborough, Rep. Coll. Nat. Hist. Soc.</i>	Report of the Marlborough College Natural History Society, Marlborough, 8vo.	315 U.K.
<i>Mem. Soc. spettroscop. ital., Catania.</i>	Memorie della Società degli spettroscopisti italiani, Catania.	96 It.
<i>Meteor. Off., London</i> ...	Meteorological Office, London ...	330 U.K.
<i>Met. Věst., St. Peterburg</i> ...	<b>Метеорологическій вѣстникъ. С.-Петербургъ</b> [Messenger météorologique. St. Pétersbourg.]	126 Rus.

<i>Milano, Rend. Ist. lomb. ...</i>	Rendiconti dell' Istituto lombardo di scienze e lettere, Milano.	106 It.
<i>Morsk. Sborn., St. Peterburg.</i>	Морской Сборникъ. С.-Петербургъ [Recueil maritime. St. Pétersbourg.]	132 Rus.
<i>Moskva, Ann. Inst. agron.</i>	Извѣстія Московскаго сельско-хозяйственнаго Института. Москва [Annales de l'Institut agromique de Moscou.]	133 Rus.
<i>Moskva, Bull. Soc. Nat. ...</i>	Bulletin de la Société Impériale des Naturalistes de Moscou.	136 Rus.
<i>München, SitzBer. Ak. Wiss.</i>	Sitzungsberichte der kgl. bayerischen Akademie der Wissenschaften zu München. München. [jährh. in zwangl. H.]	839 Ger.
<i>Napoli, Atti Ist. incoragg. sc. nat.</i>	Atti dell' Istituto d' incoraggiamento alle scienze naturali, Napoli.	113 It.
<i>Napoli, Boll. Soc. nat. ...</i>	Bollettino della Società di naturalisti, Napoli.	118 It.
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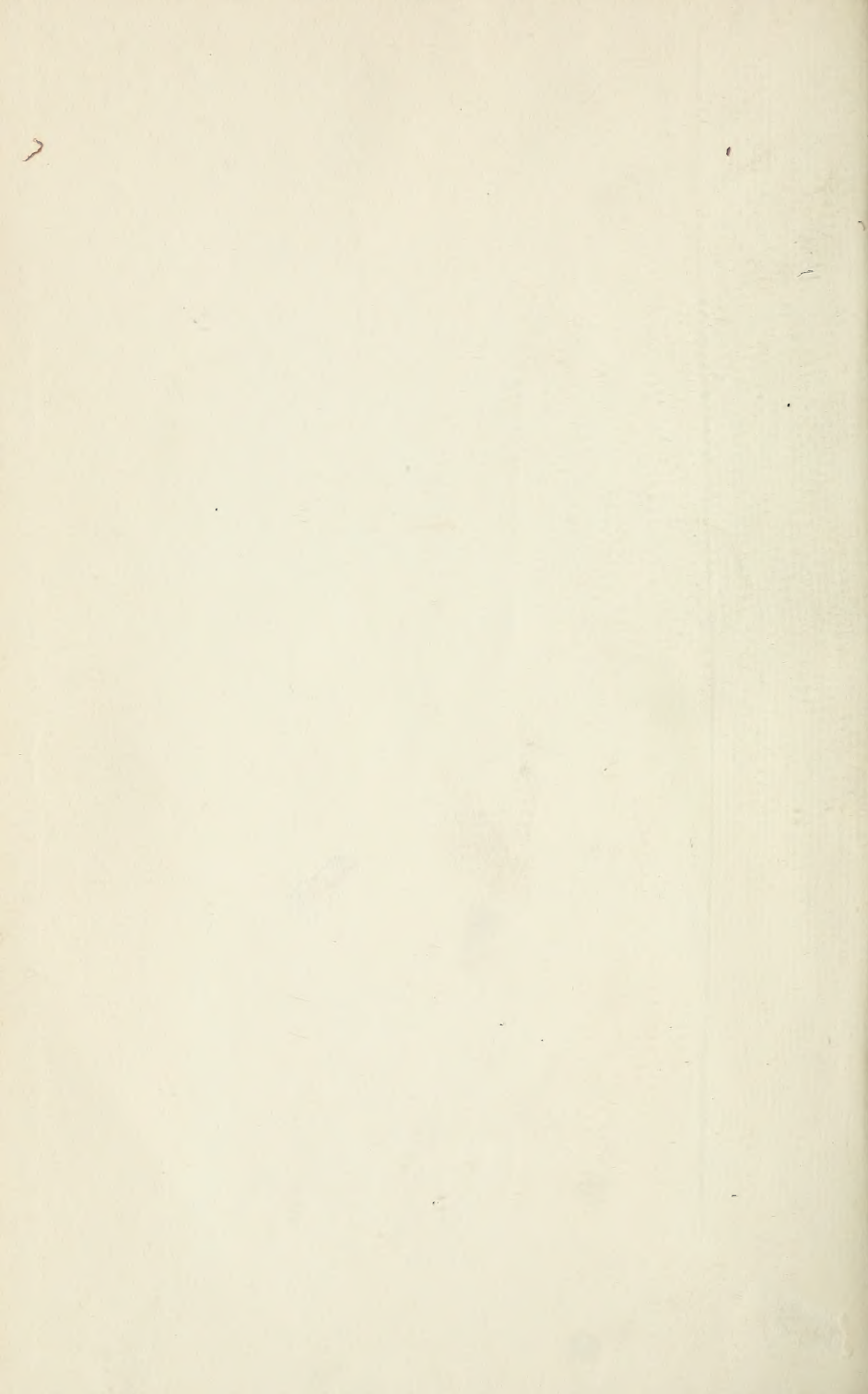
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